

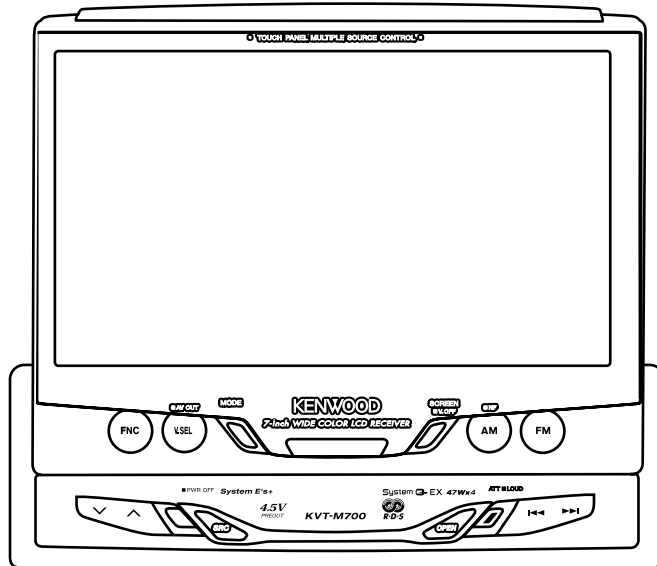
KVT-M700

SERVICE MANUAL

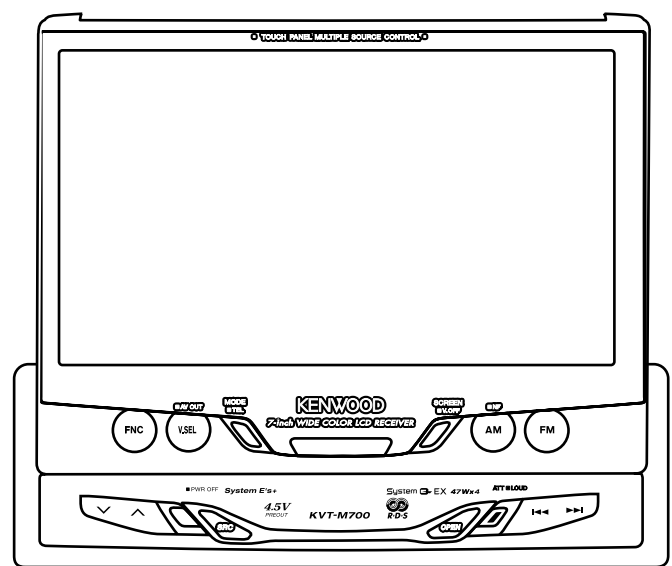
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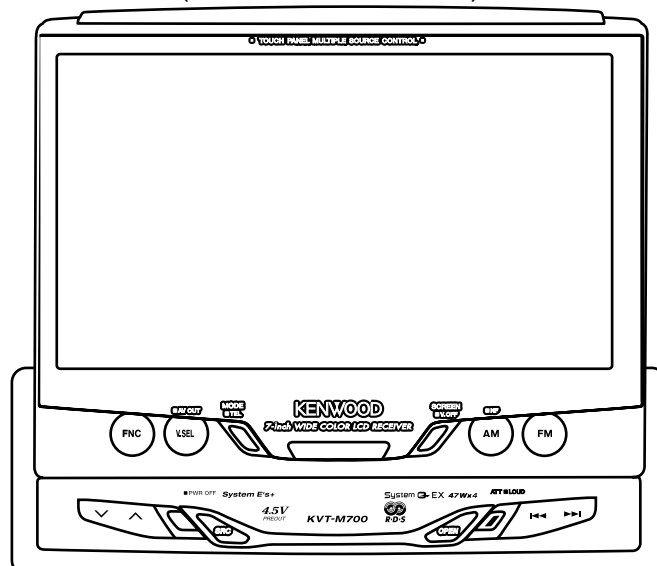
(K : For North America)



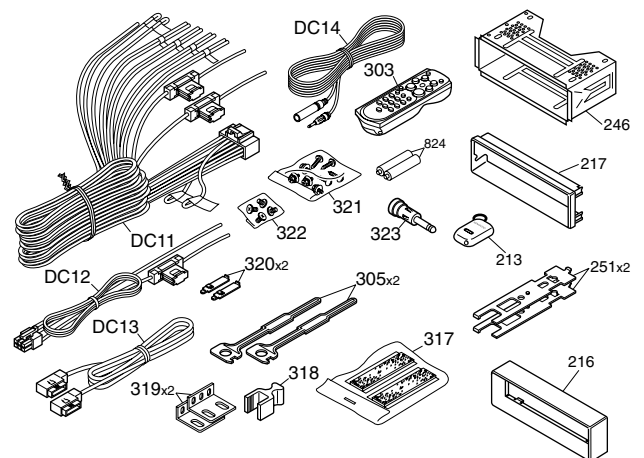
(E : For Europe)



(M : For Other Areas)



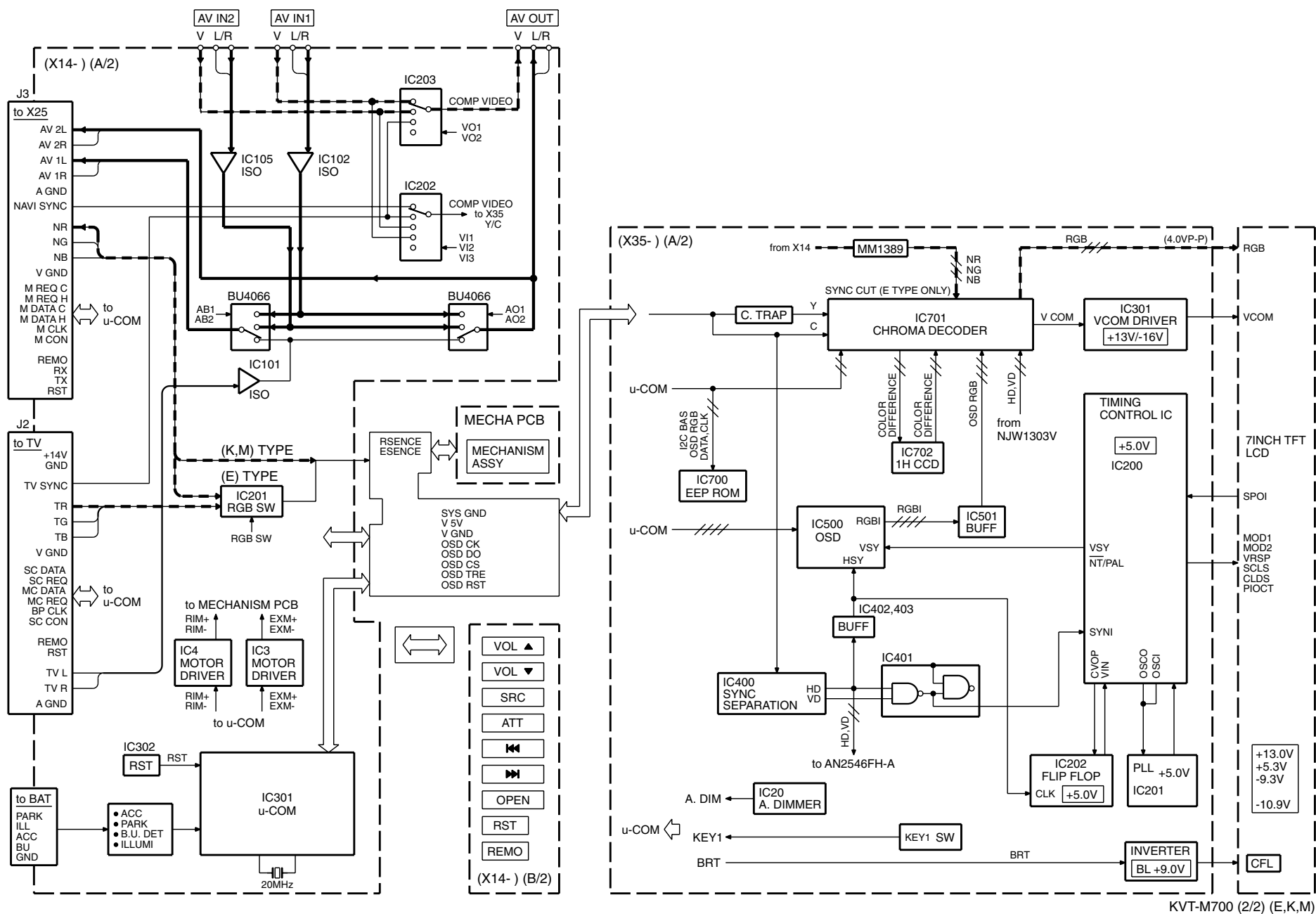
The following reference numbers with accessory parts are the same reference numbers used on EXPLODED VIEW and PARTS LIST.



KVT-M700



BLOCK DIAGRAM



COMPONENT DESCRIPTION

VIDEO CONTROL UNIT (X14-692x-xx)

REF. No.	FUNCTION	OPERATION
IC2	DC/DC CONVERTER CONTROLLER	Controls DC/DC converter.
IC3,4	MOTOR DRIVER	Drives TV mechanism motor.
IC101	ISOLATION AMPLIFIER	Isolates TV input audio signal.
IC102	ISOLATION AMPLIFIER	Isolates AV IN1 input audio signal.
IC103,104	AUDIO SW	Switches audio signal.
IC105	ISOLATION AMPLIFIER	Isolates AV IN2 input audio signal.
IC201	RGB SW	Switches TV/NAVI signals (Only Euro model).
IC202	VIDEO SW	Switches video signal to monitor.
IC203	VIDEO SW	Switches video signal of AV OUT.
IC204	VIDEO SW	Switches sync detection video signal.
IC205	SYNC SEPARATION	Detects sync of NT/PAL and AV IN2.
IC301	PANEL u-COM	Controls panel.
IC302	RESET IC	Resets ICs.
IC303	REMOTE BUFFER	Buffers navigation remote control signal.
IC501	REMOTE CONTROL SENSOR	Senses remote control signal.
Q1	B.U. DETECTION	Detects back-up.
Q2	PARKING DETECTION	Detects parking signal.
Q3	B.U. 5V SW	Switches back-up 5V by P.ON.
Q4-6	IC2 POWER SW	Turns on or off IC2 power supply.
Q7	DC/DC SW	Drives fry-back.
Q8	DC/DC SW	Drives chopper.
Q9,10	Q8 DRIVER	Drives Q8.
Q11,12	MOTOR DRIVER POWER SW	Switches motor driver power supply.
Q13	MOTOR DRIVER VOLTAGE SW	Switches motor driver power supply voltage.
Q14,15	8V AVR	Supplies power to motor driver.
Q16,17	B.U. 5V AVR	Supplies 5V to panel u-com.
Q101,102	AUDIO MUTE	Mutes AV OUT audio signal.
Q103,104	AUDIO MUTE DRIVER	Drives AV OUT audio mute.
Q201,202	VIDEO AMPLIFIER	Amplifies video signal.
Q203	VIDEO BUFFER	Buffers video signal.
Q204	IC203 POWER SW	Turns on or off IC203 power supply.
Q301	SW	Is turned on by panel reset key.
Q302	RESET CONTROL	Is controlled by panel reset SW.
Q303	DSI SW	Turns on or off DSI.
Q304,305	RED/GREEN SW	Switches red and green.
Q306,307	DSI OSCILLATOR	Oscillates DSI.
Q308	DSI BUFFER	Buffers DSI.
Q309	KEY DETECTION	Detects VOL DOWN key.
Q501	RED LED SW	Turns on or off red LED.
Q502	BLUE LED SW	Turns on or off blue LED.
Q503	GREEN LED SW	Turns on or off green LED.

COMPONENT DESCRIPTION

VIDEO CONTROL UNIT (X14-692x-xx)

REF. No.	FUNCTION	OPERATION
Q504	RED/GREEN SW	Switches red and green LED.
Q505	RED/GREEN SW	Turns on green LED.
Q506	RED/GREEN SW	Turns on red LED.
Q507	GREEN LED SW	Turns on or off green LED.

ELECTRIC UNIT (X25-926x-xx)

REF. No.	FUNCTION	OPERATION
IC1	POWER AMPLIFIER	Controls DC/DC converter.
IC2	8V AVR	Switches 8V.
IC3	DC/DC CONTROLLER	Controls DC/DC converter.
IC4	MUTE LOGIC	Mute logic.
IC5	ISOLATION AMPLIFIER	Isolates AV IN2 audio signal.
IC6	RESET IC	Detects 3.7V.
IC7	SYSTEM E's+	HPF.
IC8	OPERATION AMPLIFIER	For PRE OUT.
IC9	SYSTEM u-COM	Controls system.
IC10	OPERATION AMPLIFIER	For PRE OUT.
IC11	E-VOLUME/MPX	Electric volume and multiplexer.
IC12	OPERATION AMPLIFIER	For PRE OUT.
IC13	AUDIO SW	Switches main source audio signal.
IC14	BUFFER	Buffers 1/2 Vcc and GND.
IC15	ISOLATION AMPLIFIER	Isolates the 5-Line.
IC16	RDS DECODER	Decodes RDS.
IC17	NOISE DETECTION OP AMP.	Detects noise.
IC18	ISOLATION AMPLIFIER	Isolates AV IN audio signal.
Q1	5V AVR	Backs up 5V.
Q2	SVR SW	Switches SVR.
Q3	5V AVR	Backs up 5V.
Q4	P.ON 5V SW	Switches 5V.
Q5,6	P.ON 14V SW	Switches 14V.
Q7,8	DC/DC SW	Switches DC/DC.
Q9	P.ANT SW	Switches P.ANT.
Q10	P.CON SW	Switches P.CON.
Q11	8V AVR	Switches 8V.
Q12,13	P.CON PROTECTOR	Protects P.CON.
Q14	P.ANT SW	Switches P.ANT.
Q15	P.CON SW	Switches P.CON.
Q16	B.U. DETECTOR	Detects back-up.

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COMPONENT DESCRIPTION

ELECTRIC UNIT (X25-926x-xx)

REF. No.	FUNCTION	OPERATION
Q17	EXT.CON SW	Switches extra control.
Q18	RESET SW	Switches reset.
Q19-21	DIFFERENTIAL STABILISER	Stabilises difference.
Q22	ACC DETECTOR	Detects ACC.
Q23-25	DIFFERENTIAL STABILISER	Stabilises difference.
Q26	MUTE SW	Switches mute for Rch PRE OUT.
Q27	AUDIO MUTE	Mute audio signal for PRE OUT.
Q28	MUTE SW	Switches mute for Lch PRE OUT.
Q29	AUDIO MUTE	Mute audio signal for PRE OUT.
Q30	MUTE SW	Switches mute for IC7.
Q31,32	AUDIO MUTE	Mute audio signal for PRE OUT.
Q33	NOISE DETECTION	Detects noise.
Q34	AUDIO MUTE	Mute audio signal for PRE OUT.
Q35	SOURCE SW	Switches source.
Q36	AUDIO MUTE	Mute audio signal for PRE OUT.
Q37	SOURCE SW	Switches source.
Q38	AM+B SW	Switches AM+B.
Q39	FM+B SW	Switches FM+B.
Q40	AM+B SW	Switches AM+B.
Q41	FM+B SW	Switches FM+B.
Q42	RDS BUFFER	Buffers RDS.
Q43-45	NOISE DETECTION	For noise detection AFC.

VIDEO UNIT (X35-423x-xx)

REF. No.	FUNCTION	OPERATION
IC20	BRIGHTNESS SENSOR	Senses brightness.
IC200	TIMING CONTROLLER	Controls LCD.
IC201	PLL CONTROLLER	Controls PLL.
IC202	D-FLIP FLOP	Delays vertical starting position on screen.
IC301	OPERATION AMPLIFIER	Drives and buffers V-COM AC.
IC400	SYNC SEPARATOR	Separates sync burst gate pulse.
IC401	NAND	NAND and inverts HD/VD.
IC402	HD/VS/HD+VD BUFFER	Buffers HD/VS/HD+VD.
IC403	BGP/HD/VD BUFFER	Buffers BGP/HD/VD.
IC500	ON-SCREEN DISPLAY CONTROLLER	Controls on-screen display.
IC501	R/G/B/I/HSY BUFFER	Buffers R/G/B/I/HSY.
IC700	E2PROM	For mechanism position, touch-panel and chroma memory.

COMPONENT DESCRIPTION

VIDEO UNIT (X35-423x-xx)

REF. No.	FUNCTION	OPERATION
IC701	VIDEO SIGNAL PROCESSOR	Decodes chroma, controls gamma.
IC702	1H DELAY LINE	For PAL chroma 1h delay.
IC703	3.0V AVR	Regulates 3.0V.
Q10-14	TOUCH-PANEL CONTROL SW	CONTROL SW for touch-panel.
Q200	VCO	Oscillates PLL.
Q201,202	TV/NAVI SW	Switches TV/NAVI.
Q300	+7.5V AVR	Supplies +7.5V to gamma control circuit.
Q301	RIPPLE FILTER	Ripple filter.
Q302,303	V-COM BUFFER	Buffers V-COM.
Q401,403	C-SYNC BUFFER	Buffers C-SYNC.
Q497,498	NTSC/PAL SW	Switches NTSC and PAL.
Q500	I SIGNAL BUFFER	Buffers I signal.
Q600-602	INVERTER SW	Switches inverter.
Q603,604	INVERTER DRIVER	Drives inverter.
Q700	BRIGHTNESS BUFFER	Buffers brightness signal.
Q701	CHROMA TRAP CUT-OFF FREQUENCY SW	Switches chroma trap cut-off frequency.
Q801-804	KEY ILLUMINATION SW	Switches key illumination red and green.

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MICROCOMPUTER'S TERMINAL DESCRIPTION

(X25-) IC9 : SYSTEM u-COM

PORT No.	PORT NAME	I/O	FUNCTION	OPERATING CONDITION
1	CH-DATA-H	O	Changer data to head unit.	-
2	CH-CLK	I/O	Changer clock data.	-
3	AFS	O	AFS.	"L" : AF searching / FM seeking. "H" : Receiving.
4	PLL-DATA	I/O	Front-end data.	-
5	PLL-CLK	I/O	Front-end clock.	-
6	EVDD	-	VDD.	-
7	EVSS	-	VSS.	-
8	-	-	-	-
9	AM+B	O	AM power supply.	"H" : AM+B on.
10	FM+B	O	FM power supply.	"H" : FM+B on.
11	PRE-MUTE-R	O	Rch preout mute.	-
12	PRE-MUTE-L	O	Lch preout mute.	-
13	SDA	I/O	Buss data.	-
14	SCL	O	Buss clock.	-
15	-	-	-	-
16	BEEP	O	Beep.	-
17	-	-	-	-
18	TEST	-	Test	-
19	P-MUTE	O	Power IC mute.	"L" : Tell mute / Power off / All off.
20	P-STBY	O	Power IC stand-by.	"L" : Power amplifier on. "H" : Power amplifier off.
21	MUTE	O	Mute.	"L" : Mute off. "Open" : Mute on.
22	P-SVR	O	Power IC reset.	"L" : Reset off. "H" : Reset on (Discharge).
23	BU-DET	I	Momentary power down detection.	"L" : Power down detection.
24	ACC-DET	I	ACC detection.	"L" : ACC detection.
25	-	-	-	-
26	SW-5V	O	5V switch.	"L" : Switch on. "H" : Switch off.
27	EXT-AMP-CON	O	External amplifier control.	"40ms" : Off. "70ms" : Low. "100ms" : Hi.
28	P.CON	O	Power control.	"H" : Power on.
29	ANT.CON	O	Antenna control.	"H" : Control on.
30	P.ON	O	Power on.	"H" : Power on.
31	RESET	I	Reset.	"L" : Reset.
32	XT1	I	Sub clock oscillation.	-
33	XT2	-	Sub clock oscillation.	-
34	REG-C	I	-	-
35	X2	-	System clock oscillation.	-
36	X1	I	System clock oscillation.	-
37	VSS	-	GND.	-
38	VDD	-	Power supply.	-
39-41	-	-	-	-
42	TYPE 0	I	Destination switch.	-
43	TYPE 1	I	Destination switch.	-
44,45	-	-	-	-
46	IC2 TYPE 0	I	IC2 setting.	"L" : Default.
47	IC2 TYPE 1	I	IC2 setting.	"L" : Default.
48	M-REQ-H	O	Request to monitor.	"L" : Requesting.
49	-	-	-	-
50	M-MUTE	I	Mute request from monitor.	"H" : Mute on.

MICROCOMPUTER'S TERMINAL DESCRIPTION

(X25-) IC9 : SYSTEM u-COM

PORT No.	PORT NAME	I/O	FUNCTION	OPERATING CONDITION
51	M-CON	O	Monitor control.	"H" : Control on. "L" : Control off.
52-54	-	-	-	-
55	B-VDD	-	Bus interface power supply.	-
56	B-VSS	-	Bus interface GND.	-
57-64	-	-	-	-
65	CH-REQ-H	O	Request to the 5-line.	"L" : Requesting.
66	CH-RST	O	5-line reset.	-
67	CH-MUTE	I	Mute request from the 5-line.	"H" : Mute on.
68	CH-CON	O	5-line control.	"H" : Control on. "L" : Control off.
69	-	-	-	-
70	AV-CONT	O	To AVREF.	-
71	AVDD	-	A/D analogue power supply.	-
72	AVSS	-	A/D analogue power supply.	-
73	AVREF	I	A/D reference voltage.	"H" : Voltage on.
74	PHONE	I	Phone detection.	"NAVI" : Over 2.5V. "PHONE" : Less than 1V.
75-78	-	-	-	-
79	NOISE	I	FM noise detection.	-
80	S-METER	I	FM S-meter detection.	-
81	R-DATA	I	RDS data.	-
82	R-QUAL	I	RDS quality.	"H" : Good quality.
83	IFC-OUT	I	IFC.	-
84,85	-	-	-	-
86	NOISE 2	I	Noise amplifier.	-
87	R-CLK	I	RDS clock.	-
88	CH-REQ-C	I	Request from the 5-line.	"L" : Requesting.
89	M-REQ-C	I	Request from monitor.	"L" : Requesting.
90	-	-	-	-
91	SEL1	O	Selector.	-
92	SEL2	O	Selector.	-
93	-	-	-	-
94	FLASH -D 1	I	5-line data.	-
95	FLASH-D 0	O	5-line data.	-
96	FLASH-CLK	I/O	5-line clock.	-
97	M-DATA-C	I	Monitor inter face data.	-
98	M-DATA-H	O	Monitor inter face data.	-
99	M-CLK	I/O	Monitor inter face clock.	-
100	CH-DATA-C	I	Changer data from changer.	-

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MICROCOMPUTER'S TERMINAL DESCRIPTION

(X14-) IC301 : PANEL u-COM

PORT No.	PORT NAME	I/O	FUNCTION	OPERATING CONDITION
1	M-DATA-C	O	Unit - Receiver box data.	-
2	M-CLK	O	Receiver box - Unit clock.	-
3	OSD-CS	O	On-Screen Display chip selector.	-
4	OSD-DO	O	On-Screen Display data.	-
5	OSD-CK	O	On-Screen Display clock.	-
6	EVDD	-	VDD.	-
7	EVSS	-	GND.	-
8	OSD-RST	O	On-Screen Display reset.	-
9	OSD-TRE	I	On-Screen Display communication permission.	-
10	V-SYNC	I	NTSC PAL/VD2 judgement vertical sync.	PAL : 45Hz-55Hz. NTSC : 55Hz-65Hz. VD2 exists : 45Hz-65Hz.
11	SYNC-SW	O	LCD-SYNC / VD2-SYNC switch.	"L" : LCD (50Hz/60Hz judgement). "H" : VD2 presence judgement
12	REMOTE	I	Remote signal.	-
13	SDA	I/O	IC2 data.	-
14	SCL	I/O	IC2 clock.	-
15	DIMMER	O	Dimmer.	-
16	HSY	I	Brightness control horizontal sync counter.	-
17	-	-	-	-
18	IC/VPP	-	VSS.	-
19	-	-	-	-
20	PARK-SW	I	Parking detection.	"H" : Parking on.
21	EX-MP	O	Mechanism slide motor.	-
22	EX-MN	O	Mechanism slide motor.	-
23	RI-MP	O	Mechanism tilt motor.	-
24	RI-MN	O	Mechanism tilt motor.	-
25	P.ON	O	Power on.	"L" : P.ON.
26	MEC-P.ON	O	Mechanism power supply.	"H" : P.ON.
27	MOT-SW	O	Tilt/Slide motor voltage.	"H" : 5.0V. "L" : 7.5V.
28-30	-	-	-	-
31	RESET	I	Reset.	"L" : Reset.
32	XT1	I	-	-
33	-	-	-	-
34	REG-C	I	-	-
35	X2	-	System clock (20MHz).	-
36	X1	I	System clock (20MHz).	-
37	VSS	-	GND.	-
38	VDD	-	BU5V.	-
39	-	-	-	-
40	AB-MUTE	O	B-box audio mute.	"H" : Mute on. "L" : Mute off.
41	VI-1	O	LCD VIDEO selector 1.	-
42	VI-2	O	LCD VIDEO selector 2.	-
43	VI-3	O	LCD VIDEO selector 3.	-
44	VO-1	O	AV-OUT VIDEO selector 1.	-
45	VO-2	O	AV-OUT VIDEO selector 2.	-
46	AD-1	O	AV-OUT AUDIO selector 1.	-
47	AD-2	O	AV-OUT AUDIO selector 2.	-
48	AB-1	O	B-BOX AUDIO selector 1.	-
49	AB-2	O	B-BOX AUDIO selector 2.	-
50	AD-MUTE	O	AV-OUT AUDIO mute.	"H" : Mute on. "L" : Mute off.

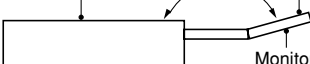
MICROCOMPUTER'S TERMINAL DESCRIPTION

(X14-) IC301 : PANEL u-COM

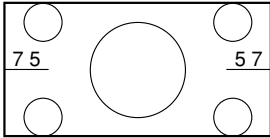
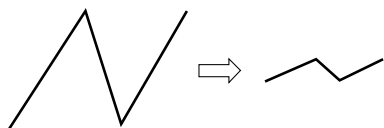
PORT No.	PORT NAME	I/O	FUNCTION	OPERATING CONDITION
51	LED-R	O	Red SRC key illumination.	"H" : Illumination on. "L" : Illumination off.
52	LED-G	O	Green SRC key illumination.	"H" : Illumination on. "L" : Illumination off.
53	LED-B	O	Blue SRC key illumination.	"H" : Illumination on. "L" : Illumination off.
54	RED/GRN	O	Key illumination RED/GREEN switch.	"H" : LED. "L" : GREEN.
55	BVDD	-	VDD.	-
56	BVSS	-	GND.	-
57	TP-X0	O	Touch-panel X-axis mode 0.	-
58	TP-X1	O	Touch-panel X-axis mode 1.	-
59	TP-Y0	O	Touch-panel Y-axis mode 0.	-
60	NT/PAL	O	NTSC/PAL judgement.	"H" : PAL. "L" : NTSC.
61	V-MUTE	O	LCD video mute.	"H" : Video mute on. "L" : Video mute off.
62	RGB-SW	O	NAVI-VIDEO / TV-VIDEO switch.	"H" : NAVI interface. "L" : Others.
63	MDN	O	Wide mode setting 1.	-
64	MDW	O	Wide mode setting 2.	-
65	MDS	O	Wide mode setting 3.	-
66	LED-IND	O	DSI on/off.	"H" : DSI off. "L" : DSI on.
67	SC-CON	O	TV-box power control.	-
68	MC-REQ	O	Unit - TV tuner box communication request.	-
69	M-REQ-C	O	Unit - Receiver box communication request.	-
70	REF-CON	O	AVREF.	"H" : A/D reference voltage on.
71	AVDD	-	VDD	-
72	AVSS	-	VSS.	-
73	AVREF	I	AVREF.	-
74	E-SENS	I	Mechanism slide position.	-
75	R-SENS	I	Mechanism tilt position.	-
76	TP-XDT	I	Touch-panel X-axis voltage.	-
77	TP-YDT	I	Touch-panel Y-axis voltage.	-
78	KEY-1	I	Ladder-like key.	-
79	KEY-2	I	Ladder-like key.	-
80	MEC-SW	I	Mechanism connection detection.	"L" : Mechanism exists.
81	OPT-SENS	I	Optical sensor DC.	-
82	-	-	-	-
83	TYPE 0	I	Destination switch 0.	-
84	TYPE 1	I	Destination switch 1.	-
85	-	-	-	-
86	VOL-DWN	I	VOLUME DOWN key.	-
87	OPN/CLS	I	OPEN/CLOSE key.	-
88	SRC	I	SRC key.	-
89	M-CON	I	Receiver box power control.	-
90	BU-DET	I	Momentary power-down detection.	"H" : Power down.
91	M-REQ-H	I	Receiver box - Unit communication unit.	-
92	PWN-IN	I	Brightness control vertical sync.	-
93	SC-REQ	I	TV tuner box - Unit communication request.	-
94	SC-DATA	I	TV-tuner box - Unit data.	-
95	MC-DATA	O	Unit - TV tuner box data.	-
96	MC-CLK	I/O	Unit - TV tuner box clock.	-
97	NAVI-RXD	I	Data from navigation.	-
98	NAVI-TXD	O	Data to navigation.	-
99	-	-	-	-
100	M-DATA-H	I	Receiver box - Unit data.	-

ADJUSTMENT

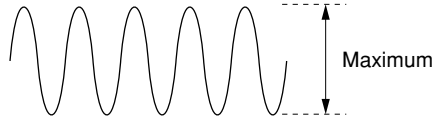
Unit Adjustment

Item	Adjustment Method, Adjustment Value	Condition
1. Adjustment of Touch Panel	<p>First, reset by pressing both VOLDW and SRC keys at the same time and boot up the system in Test Mode.</p> <p>Display the Touch Adjustment Screen with the SRC key of TV remote controller, press center section of the "Cross-font" using adjustment stick. (Upper left → upper right → lower left.)</p> <p>Note 1: When conducting the adjustment for the first time, the display position of the cross-cursor may be a little off, but the adjustment should be conducted by using the center position of the font.</p> <p>Note 2: If adjustment becomes impossible as a result of having input incorrect values, clear the E2PROM first and then conduct the adjustment. This can be done by resetting while pressing VOLDW and OPEN/CLOSE keys. When this is done, the machine also loses the mechanical positions. Therefore, this must also be adjusted again.</p>	<ul style="list-style-type: none"> Adjustment pin (with smaller tips of about 0.2mm in diameter.) Test Mode
2. Mechanism Tilt Adjustment	<p>1. How to remove the monitor.</p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>Impress 8V voltage on the tilt-behavior side motor terminal and let the motor full-tilt down.</p> </div> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>Install a small screw (N09-6010-08) on the side of the slider assembly (D10-4679-08.)</p> </div> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>Impress 8V voltage on the tilt-side motor terminal and let the motor rotate toward tilt-up direction. Make the gear 19 (D13-2201-08) biting softer.</p> </div> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>Remove the mounting hardware assy L (J21-9780-14) and the mounting hardware assy R (J21-9782-14), and remove the motor.</p> </div> <p>2. Monitor Installation Method (Tilt-side sensor value setting method)</p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>With the monitor back plate surface in $174^{\circ} \pm 2^{\circ}$ position to the mechanical unit top surface, install the monitor and attach the mounting hardware assy L (J21-9780-14) and the mounting hardware assy R (J21-9782-14).</p> <div style="text-align: center;"> <p>Mechanical Unit Surface $174^{\circ} \pm 2^{\circ}$ Monitor Back Plate Surface</p>  <p>Monitor</p> </div> </div> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>Impress 8V-voltage on the tilt-behavior side motor terminal and let the monitor full-tilt down.</p> </div> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>Impress 5.0V to tilt-side sensor input and turn the tilt gear so that the output of the tilt-sensor is 0.2 ± 0.1 V</p> </div> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>Remove the small screw (N09-6010-08) of the slider assy (D10-4679-08) and impress 8V-voltage on the motor terminal of the tilt behavior side. Then, let the motor tilt-up to full and then tilt-down to full.</p> </div> <p style="text-align: center;">↓</p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>Impress 5V-voltage on the tilt-side sensor input and confirm that the output of the tilt-sensor is 0.2 ± 0.1 V</p> </div> <p style="text-align: center;">↓</p> <div style="display: flex; justify-content: space-between;"> <p>OK</p> <p>NG</p> </div> <p style="text-align: center;">End</p>	

ADJUSTMENT

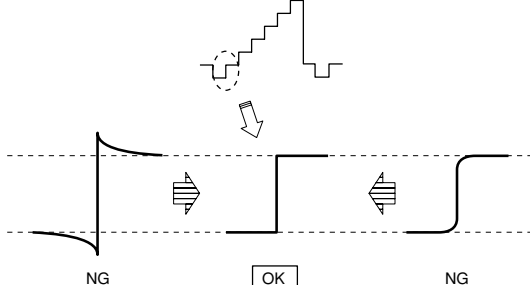
Item	Adjustment Method, Adjustment Value	Condition
3. Mechanism Adjustment	First, reset by pressing both VOLDW and SRC keys at the same time and boot up the system in Test Mode. Display Setup screen with the FUN key, and press ADJ key for making adjustment. Note 1: If adjustment becomes impossible as a result of having input incorrect values, clear the E2PROM first and then conduct the adjustment. This can be done by resetting while pressing VOLDW and OPEN/CLOSE keys. When this is done, the machine also loses the mechanical positions. Therefore, this must also be adjusted again.	· Test Mode
4. Confirming on the starting points of screen display	In MONO Scope screen, confirm that the right and left positions are uniform. If they are off a little, use VR200 (HYOUJI) to adjust the right and left to be uniform. (Adjust to less than one dot difference.) If the difference is much too large, adjust from the beginning of X35 again. 	· MONO Scope
5. Flicker Adjustment	Adjust with the VR302 (COM DC) so that the flicker level (60Hz content: NTSC) will be the minimum. 	· Input Signal · Composite Input Gray · RASTA (Easy to read level of white 30~50%) · ZOOM or CINEMA Mode · Set it to AC range · Flicker jig

1. X25 Circuit Adjustment Specification (K : For North American Markets)


Item	Adjustment method / Adjustment value	Conditions
1. Video detection coil adjustment L303	1. Turn VR301 [RF-AGC] fully to the right. 2. Apply DC2.0V to TP [IF AGC] (IC300 pin36). 3. Feed fo=45.75MHz, Mod=1kHz, AM60%, Level=100dBμ into TP [IF] (A100 pin8). 4. Observe the TP [VIDEO] (IC300 pin8) waveform on an oscilloscope and adjust L303 for maximum level. 	· No ANT signal · If the waveform is clipped, slightly increase the DC voltage. · AC range
2. Audio detection coil adjustment L300	1. Turn VR301 [RF-AGC] fully to the right. 2. Feed fo=41.25MHz, No Modulation, Level=94dBμ into TP [IF] (A100 pin8). 3. Connect a voltmeter to TP [SIF] (both ends of R314) and adjust L300 for 0V±0.01V.	· No ANT signal
3. S-METER adjustment VR300 4. RF AGC adjustment VR301	1. Turn VR301 [RF-AGC] fully to the right. 2. Feed a 30dBμ 11CH color bar RF signal into the ANT input terminal. 3. Audio (P/S ratio -6dB) no modulation. 4. Connect a voltmeter to CN300 and adjust VR300 [SMET] so it reads 3.5V±0.05V. 5. Set the RF signal to 70dBμ and adjust VR301 [RF-AGC] so that the voltmeter connected to CN300 reads 4.5V±0.05V.	· Postpone adjusting VR301 to prevent AGC having effect at 30dBμ. · Ensure the RF AGC adjustment is performed after the S-METER adjustment.
5. Diversity free run frequency adjustment VR400	1. Connect a frequency counter to CN400. 2. Using the remote control unit TV/NAVI button, switch to adjustment mode. 3. Adjust VR400 [15kHz] so as to obtain 15734±10Hz.	· No ANT signal · Test mode

ADJUSTMENT

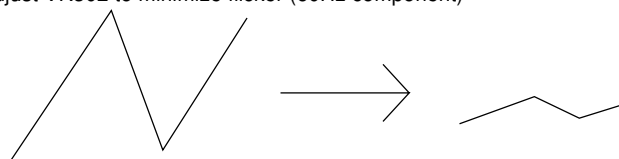
2. X25 Circuit Adjustment Specification (E : For European Markets)

Item	Adjustment method / Adjustment value	Conditions
1. Diversity video detection coil adjustment L303	1. Input RF signal 70dBμ 9CH stair step into the ANT input terminal. 2. Observe the TP [VIDEO] (IC300 pin8) waveform on an oscilloscope and adjust L303 so that the edges of sync chip and pedestal are horizontal. 	<ul style="list-style-type: none"> • PAL B/G • Turn color off.
2. Audio detection coil adjustment L300	1. Input RF signal 70dBμ 9CH bar into the ANT input terminal. 2. Connect a voltmeter to TP [SIF] (both ends of R314) and adjust L300 for $0V \pm 0.01V$.	<ul style="list-style-type: none"> • PAL B/G • P/S ratio 10dB
3. Diversity free run frequency adjustment VR400	1. Connect a frequency counter to CN400. 2. Using the remote control unit TV/NAVI button, switch to adjustment mode. 3. Adjust VR400 [15kHz] so as to obtain $15625 \pm 10\text{Hz}$.	<ul style="list-style-type: none"> • No ANT signal • Test mode

3. X25 Circuit Adjustment Specification (M : For the Other Markets)

Item	Adjustment method/Adjustment value	Conditions
1. Video detection coil adjustment L303	1. Turn VR301 [RF-AGC] fully to the right. 2. Apply DC2.0V to TP [IF AGC] (IC300 pin36). 3. Feed $f_o=38.0\text{MHz}$, Mod=1kHz, AM60%, Level=100dBμ into TP [IF] (A100 pin8). 4. Observe the TP [VIDEO] (IC300 pin8) waveform on an oscilloscope and adjust L303 for maximum level. 	<ul style="list-style-type: none"> • No ANT signal • If the waveform is clipped, slightly increase the DC voltage. • AC range
2. Audio detection coil adjustment L300	1. Turn VR301 [RF-AGC] fully to the right. 2. Feed $f_o=31.5\text{MHz}$, No Modulation, Level=94dBμ into TP [IF] (A100 pin8). 3. Connect a voltmeter to TP [SIF] (both ends of R314) and adjust L300 for $0V \pm 0.01V$.	<ul style="list-style-type: none"> • No ANT signal
3. S-METER adjustment VR300 4. RF AGC adjustment VR301	1. Turn VR301 [RF-AGC] fully to the right. 2. Feed a 30dBμ CHINA 9CH color bar RF signal into the ANT input terminal. 3. Audio (P/S ratio -6dB) no modulation. 4. Connect a voltmeter to CN300 and adjust VR300 [SMET] so it reads $3.5V \pm 0.05V$. 5. Set the RF signal to 70dBμ and adjust VR301 [RF-AGC] so that the voltmeter connected to CN300 reads $4.8V \pm 0.05V$.	<ul style="list-style-type: none"> • Postpone adjusting VR301 to prevent AGC having effect at 30dBμ. • Ensure the RF AGC adjustment is performed after the S-METER adjustment.
5. Diversity free run frequency adjustment VR400	1. Connect a frequency counter to CN400. 2. Using the remote control unit TV/NAVI button, switch to adjustment mode. 3. Adjust VR400 [15kHz] so as to obtain $15625 \pm 100\text{Hz}$.	<ul style="list-style-type: none"> • No ANT signal • Test mode

4. X35 Circuit Adjustment Specification

Item	Adjustment method/Adjustment value	Conditions
1. Screen display start position confirmation	<ul style="list-style-type: none"> • With a monoscope display confirm that the left and right positions are equal. If they are slightly off, adjust for left/right equality with VR200. If there is a big discrepancy, redo from the X35 adjustment. 	<ul style="list-style-type: none"> • Monoscope
2. Flicker adjustment	<ul style="list-style-type: none"> • Adjust VR302 to minimize flicker (60Hz component) 	<ul style="list-style-type: none"> • Input signal Composite input Grey RASTA (white 30~50%) • ZOOM mode • Set to AC range • Flicker jig
3. Flicker confirmation	<ul style="list-style-type: none"> • Confirm there is no flickering when setting to ZOOM or CINEMA mode. 	

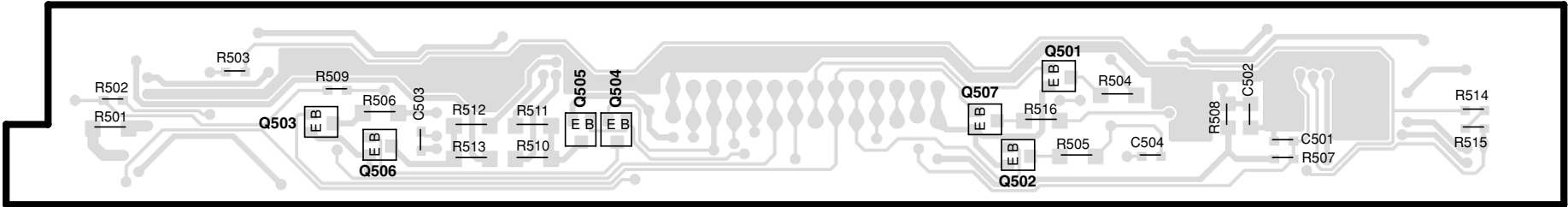
5 .Attention

When LCD ASSY or touch panel switch ASSY is exchanged, X35 Circuit Adjustment and Touch Adjustment are adjusted together, too.

Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Foil side view)

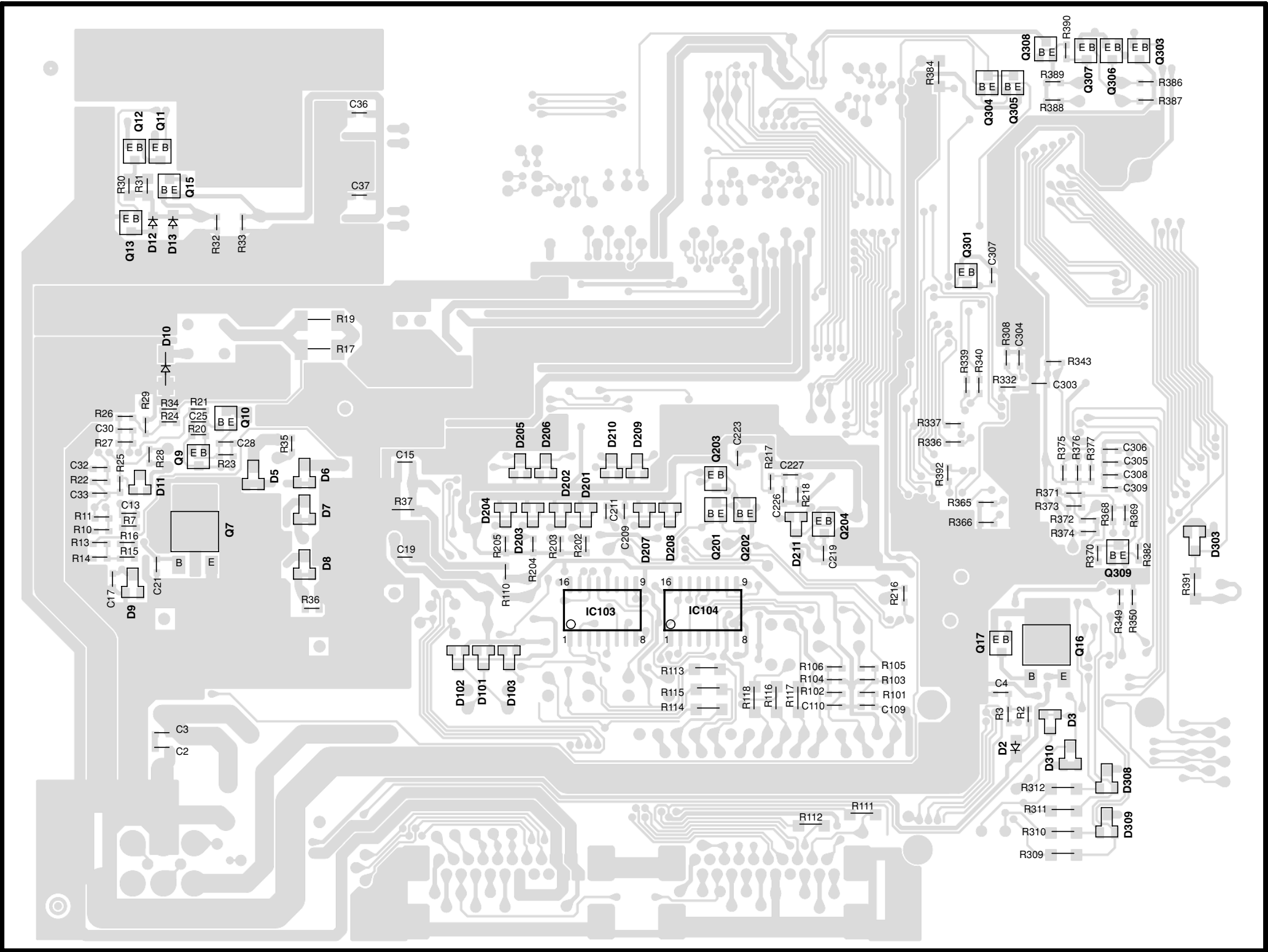
X14 B/2



VIDEO CONTROL UNIT
X14(B/2)

Ref. No.	Address
Q501	1P
Q502	2P
Q503	1M
Q504	1N
Q505	1N
Q506	2M
Q507	1P

VIDEO CONTROL UNIT X14-692x-xx A/2 (J74-1334-12)



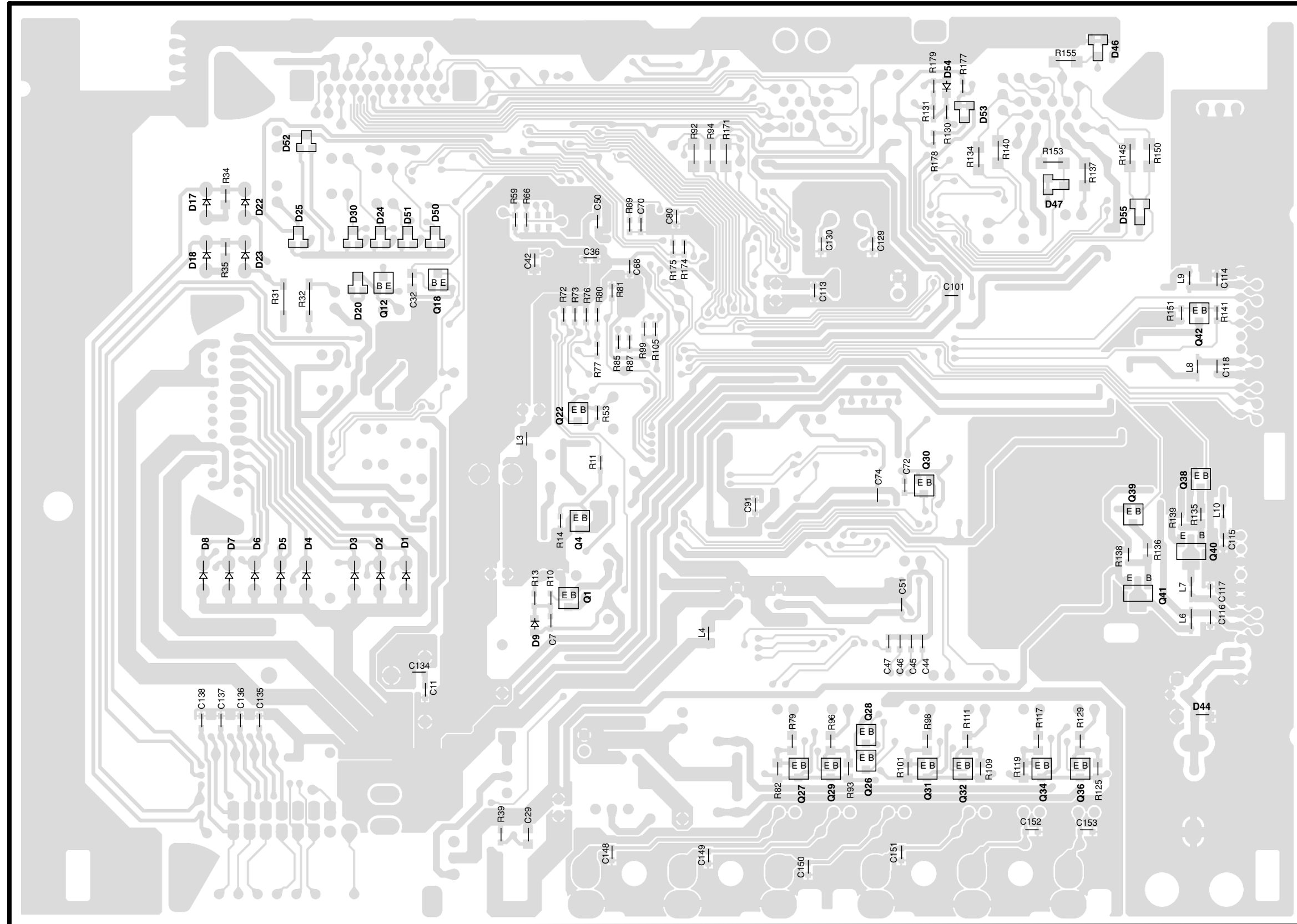
VIDEO CONTROL UNIT
X14-692x-xx (A/2)

Ref. No.	Address
IC103	6N
IC104	6O
Q7	5L
Q9	4L
Q10	4L
Q11	3L
Q12	3L
Q13	3L
Q15	3L
Q16	5Q
Q17	5Q
Q201	5O
Q202	5O
Q203	4O
Q204	5P
Q301	3P
Q304	2Q
Q305	2Q
Q306	2Q
Q307	2Q
Q308	2Q
Q309	5Q

20

PC BOARD (Foil side view)

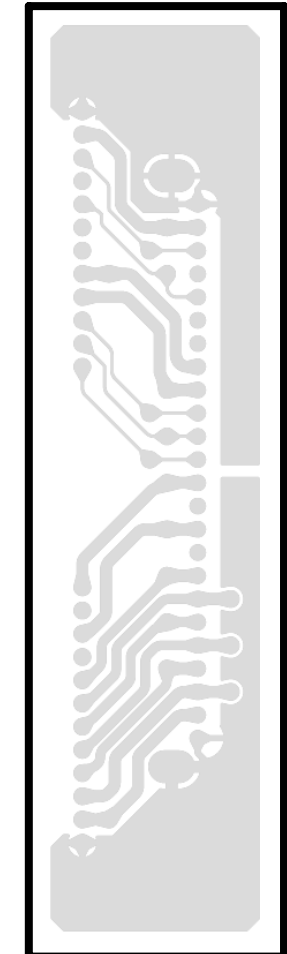
ELECTRIC UNIT X25-926x-xx A/2 (J74-1335-12)



ELECTRIC UNIT X25-926X-XX

Ref. No.	Address	Ref. No.	Address
Q1	5AH	Q31	6AJ
Q4	4AH	Q32	6AJ
Q12	3AG	Q34	6AK
Q18	3AG	Q36	6AK
Q22	4AH	Q38	4AL
Q26	6AJ	Q39	4AK
Q27	6AI	Q40	4AL
Q28	6AJ	Q41	5AK
Q29	6AJ	Q42	3AL
Q30	4AJ		

X25 B/2



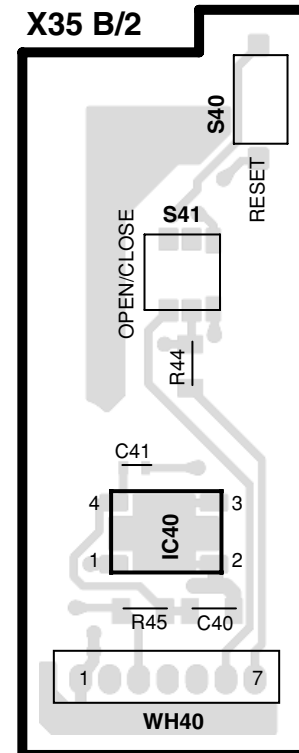
PC BOARD (Component side view)

VIDEO UNIT
X35-423X-XX

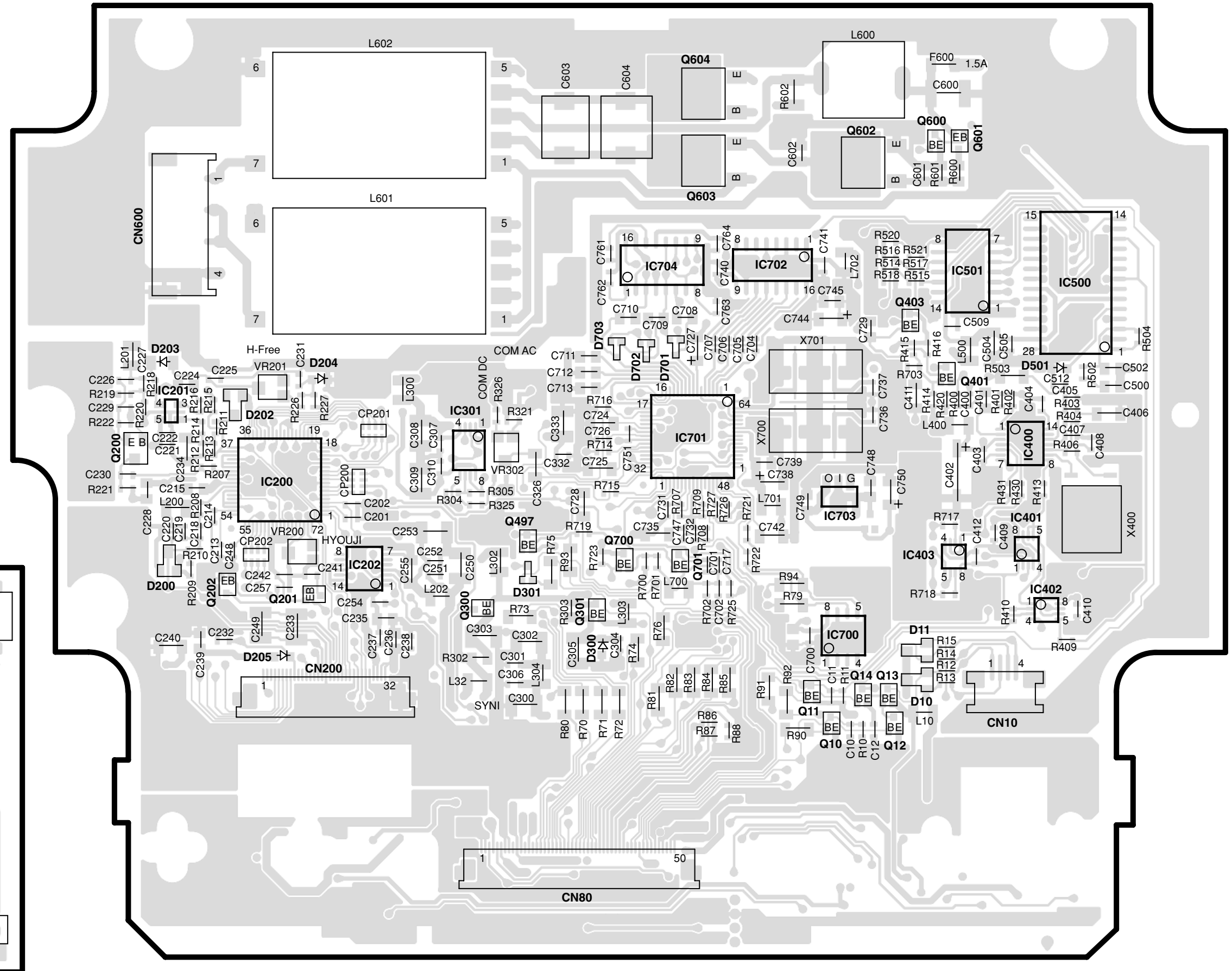
Ref. No.	Address
IC200	4AR
IC201	3AR
IC202	4AS
IC301	4AS
IC400	4AW
IC401	4AW
IC402	5AW
IC403	4AV
IC500	3AW
IC501	3AV
IC700	5AV
IC701	4AU
IC702	3AU
IC703	4AV
IC704	3AU
Q10	5AV
Q11	5AV
Q12	5AV
Q13	5AV
Q14	5AV
Q200	4AQ
Q201	5AR
Q202	5AR
Q300	5AS
Q301	5AT
Q401	3AV
Q403	3AV
Q497	4AT
Q600	2AV
Q601	2AV
Q602	2AV
Q603	2AU
Q604	1AU
Q700	4AT
Q701	4AU

X35-423X-XX
X35 B/2

Ref. No.	Address
IC40	6AP



VIDEO UNIT X35-423x-xx A/2 (J74-1333-12)

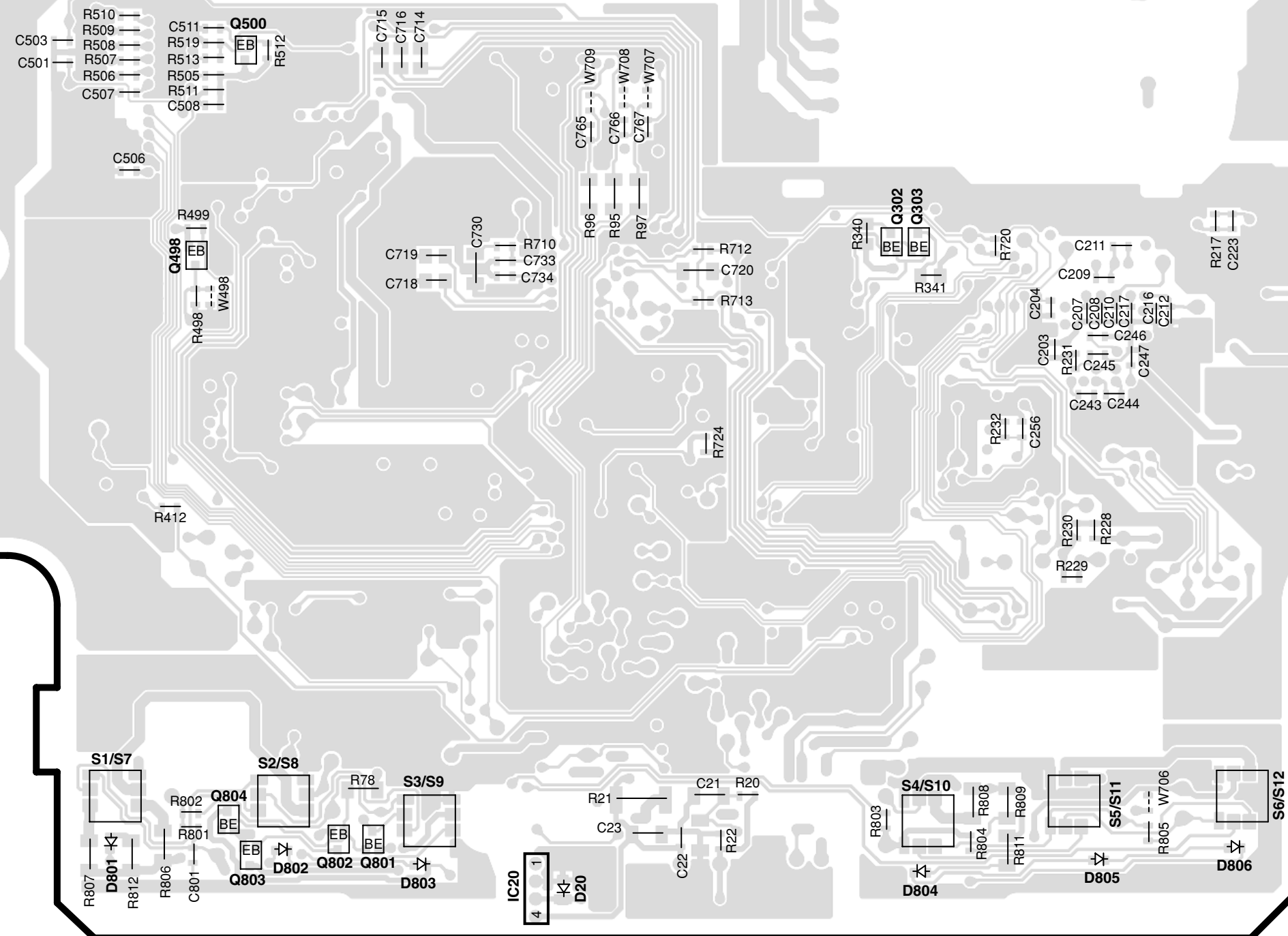


PC BOARD(Foil side view)

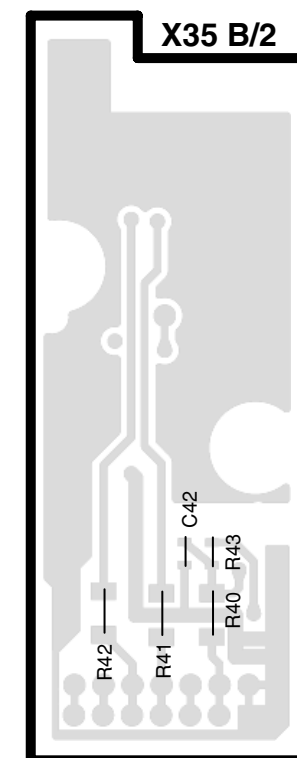
VIDEO UNIT X35-423x-xx A/2 (J74-1333-12)

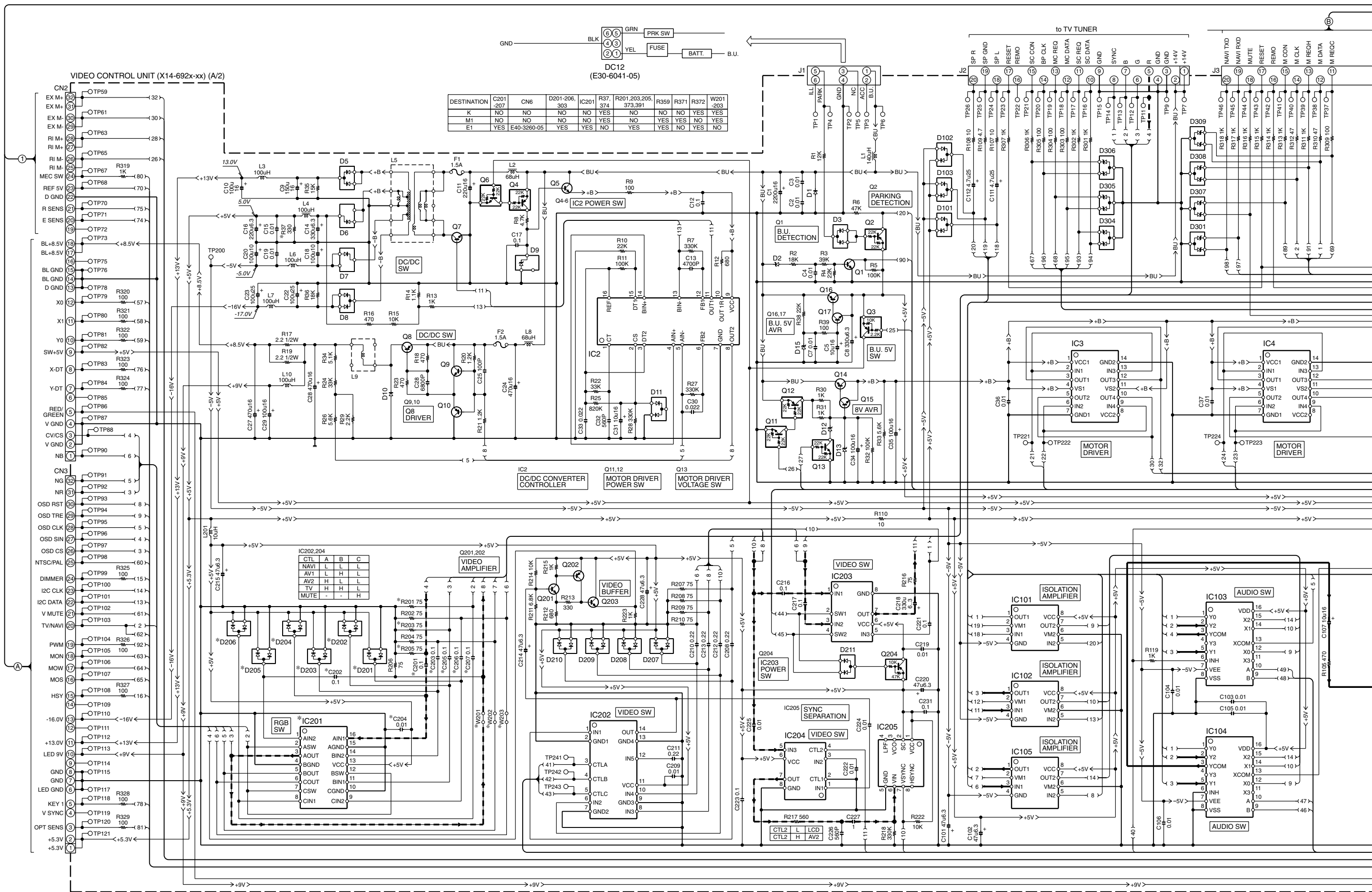
VIDEO UNIT
X35-423x-xx (A/2)

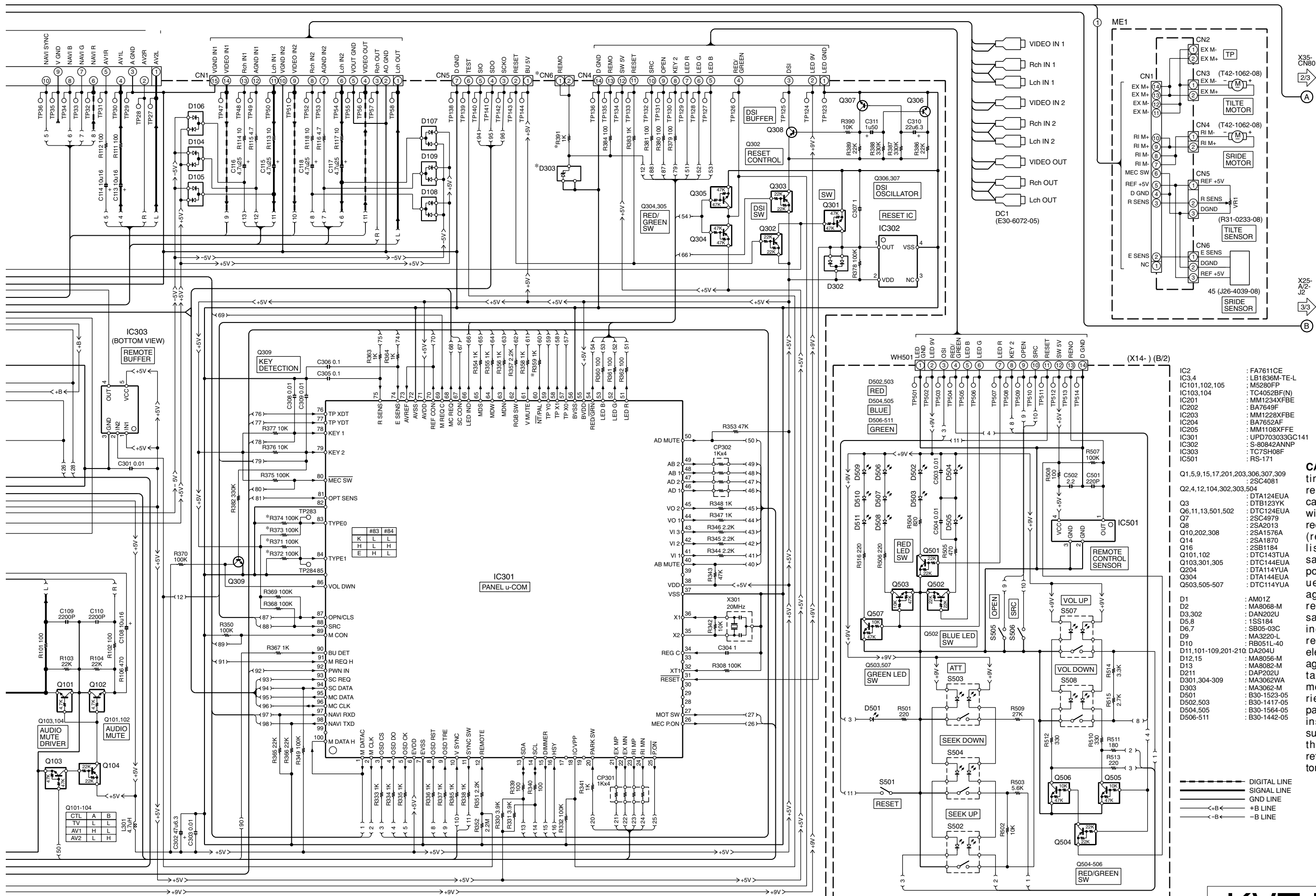
Ref. No.	Address
Q302	3BC
Q303	3BD
Q498	4AZ
Q500	2AZ
Q801	6BA
Q802	6BA
Q803	6AZ
Q804	6AZ



X35 B/2

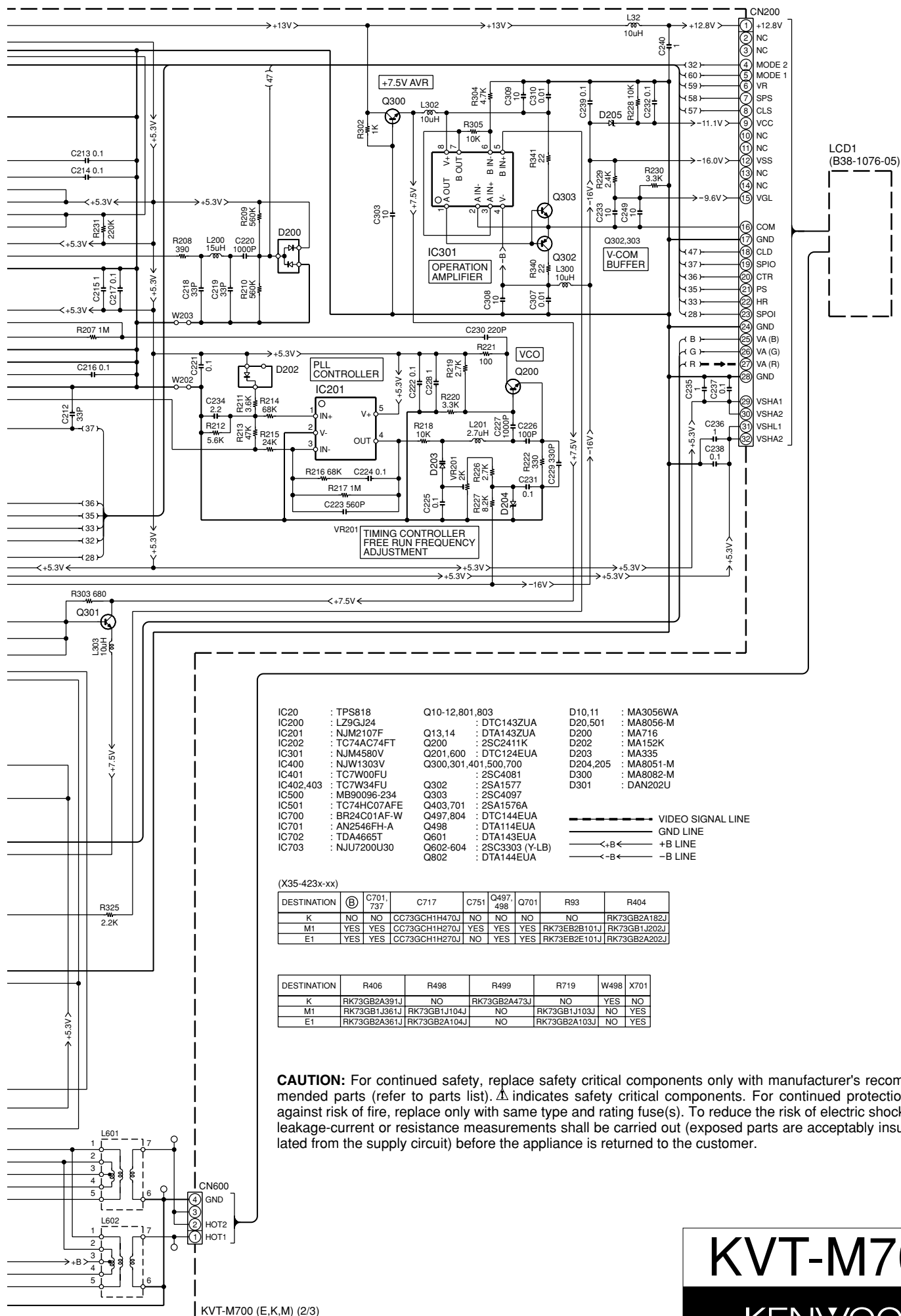






KVT-M700 (E,K,M) (1/3)

- IC3,4 : FA7611CE
IC101,102,105 : LB1836M-TE-L
IC103,104 : M5280FP
IC201 : TC4052BF(N)
IC202 : MM1234XFBF
IC203 : BA7649F
IC204 : MM1228XFBF
IC205 : BA7652AF
IC301 : MM1108XFFE
IC302 : UPD70303GC141
IC303 : S-80842ANNP
IC501 : TC7SH08F
RS-171
- Q1,5,9,15,17,201,203,306,307,309 : 2SC4081
Q2,4,12,104,302,303,504 : DTA124EUA
Q3 : DTB123VK
Q6,11,13,501,502 : DTC124EUA
Q7 : 2SC4979
Q8 : 2SA2013
Q10,202,308 : 2SA1576A
Q14 : 2SA1870
Q16 : 2SB1184
Q101,102 : DTC143TUA
Q103,301,305 : DTC144EUA
Q204 : DTA114YUA
Q304 : DTA144EUA
Q503,505-507 : DTC114YUA
- D1 : AM01Z
D2 : MA8068-M
D3,302 : DAN202U
D5,8 : 1SS184
D6,7 : SB05-03C
D9 : MA3220-L
D10 : RB051L-40
D11,101-109,201-210 : DA204U
D12,15 : MA8056-M
D13 : MA8082-M
D21 : DAP202U
D301,304-309 : MA3062WA
D303 : MA3062-M
D501 : B30-1523-05
D502,503 : B30-1417-05
D504,505 : B30-1564-05
D506-511 : B30-1442-05
- S501 : S501
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KVT-M700

KENWOOD

ELECTRIC UNIT (X25-926-xx) (A/2)

IC1 : TA8263BH
 IC2 : M5237ML
 IC3 : ICL7660SIBA
 IC4 : HD74HC02FP
 IC5,15,18 : M5280FP
 IC6 : S-80842ANNP
 IC7 : TDA7401
 IC8,10,12,14,17 : NJM4565M-TE2
 IC9 : UPD703033GC14D
 IC11 : TDA7407
 IC13 : TC40528F(N)
 IC16 : TDA74790

Q1,8,16,20,22,23,25,33,42,45

: 2SC4081

Q2,5,9,10 : DTC114YUA

: 2SB1443

Q3,6,7 : 2SA1576A

: 2SB1565(E,F)

Q12,26,28,43 : DTA124EUA

: 2SB1188(Q,R)

Q14,15,40,41 : DTA123JK

: DTC124EUA

Q18,30,35,37-39 : DTC143TUA

: DTC114EUA

Q27,29,31,32,34,36 : DTC114EUA

: DTC114EUA

Q44 : DTC114EUA

: DTC114EUA

D1-8,17,18,22,23 : 1SR154-400

: MA8056-M

D9,26,29 : MA8056-M

: RM102LF

D10 : DAP202U

: MA3110-M

D11,12,20,34,35,53 : MA8062-M

: MA3062WA

D14 : MA8062-M

: DA204U

D15 : MA8062-M

: MA8047-M

D16,19,21,45,47,49 : MA8062WA

: D28,32

D27 : HZS7A3L

: DAN202U

D31,33,48 : IMSA-6801

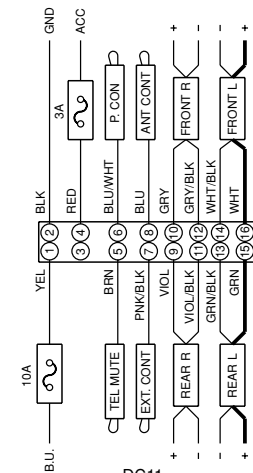
: MA8068-M

D44 : MA8068-M

: MA8068-M

(X25-926-xx)

DESTINATION	UNIT No.	R59	R60	R66	R67	W1	W2,3	W4,5
K	X25-9260-10	YES	NO	YES	NO	NO	NO	YES
M1	X25-9260-21	NO	YES	YES	NO	YES	YES	NO
E1	X25-9262-71	YES	NO	NO	YES	YES	NO	YES



DC11
 (E30-6044-05) (E)
 (E30-6043-05) (K,M)

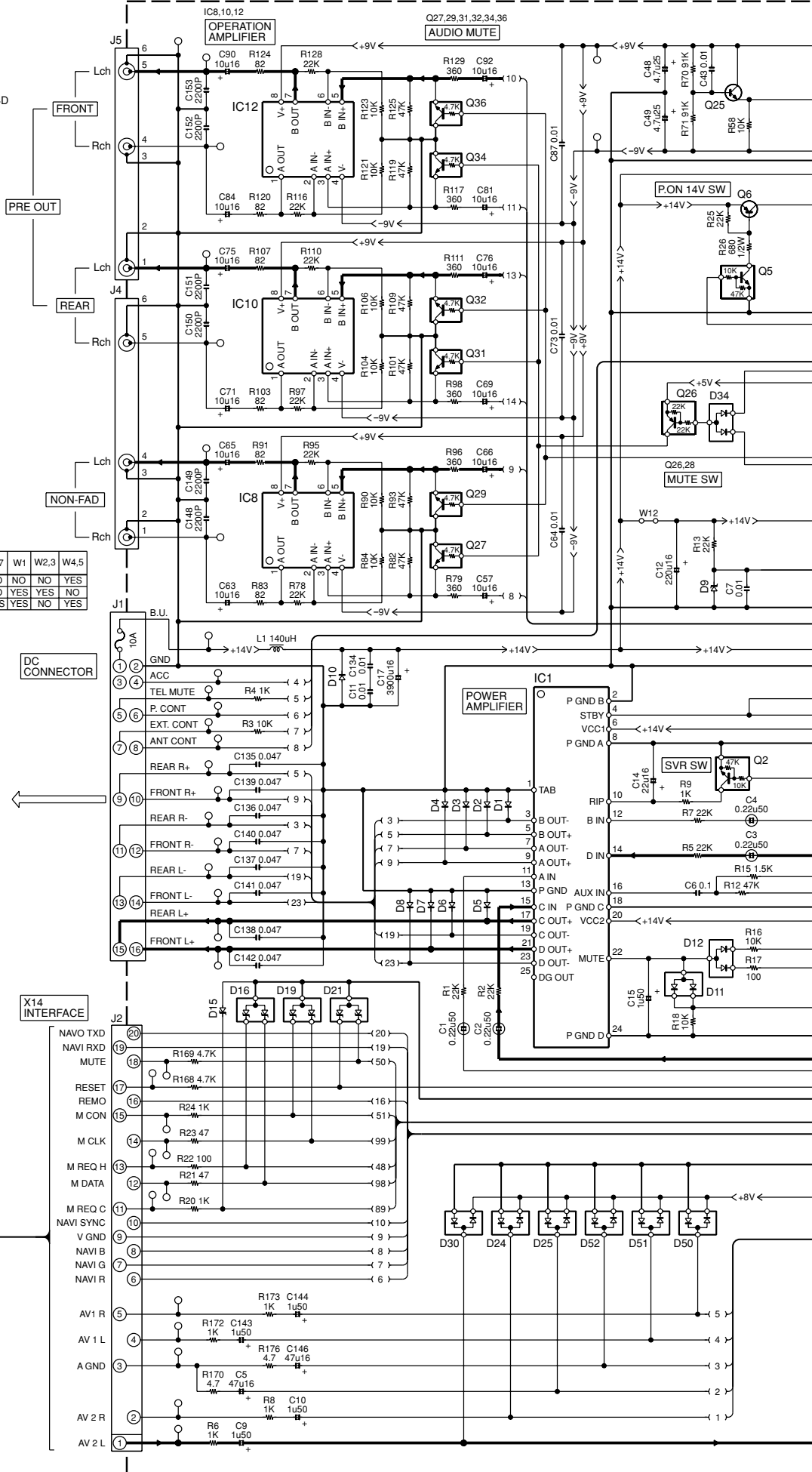
— SIGNAL LINE
 — GND LINE
 — +B LINE
 — -B LINE

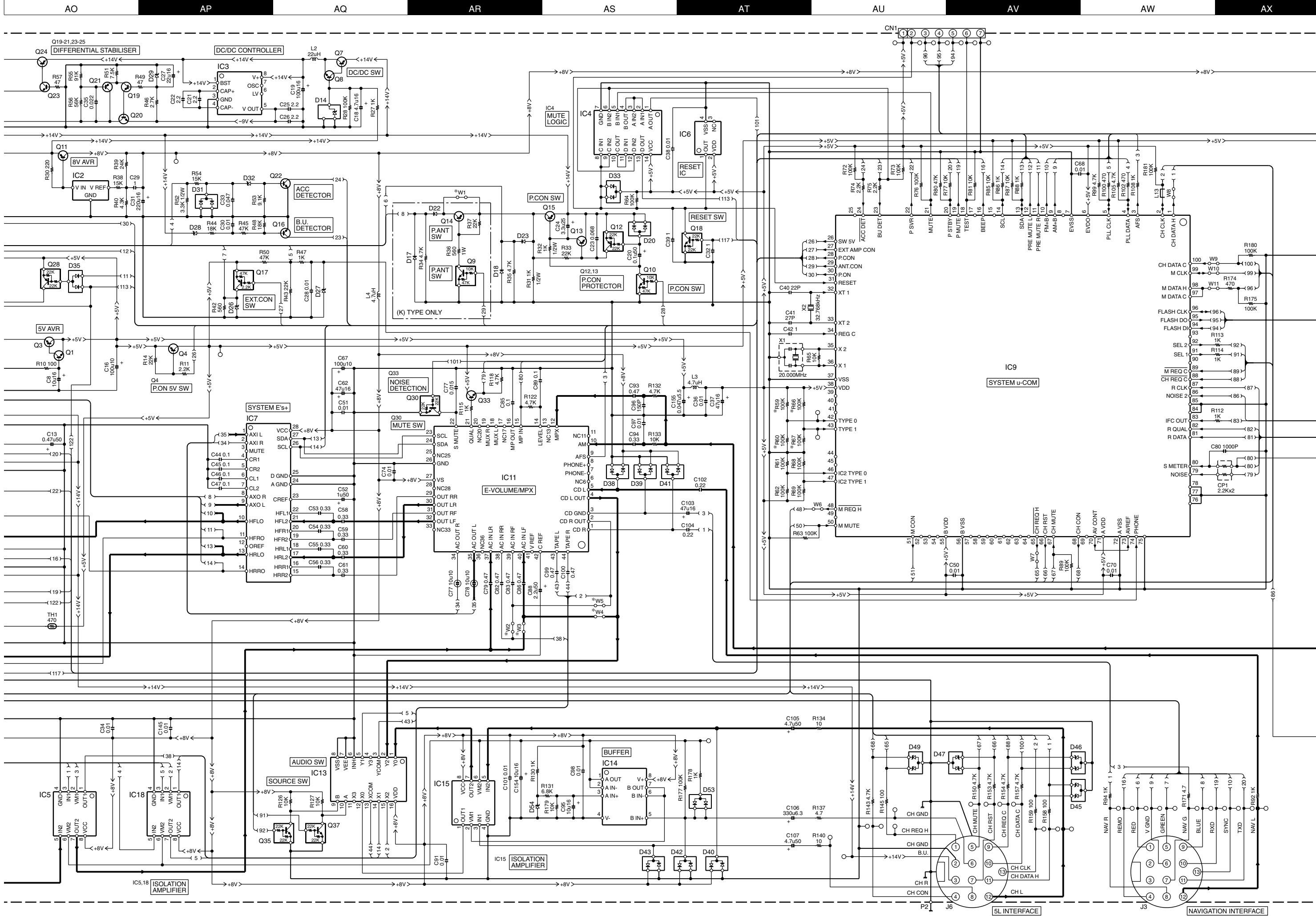
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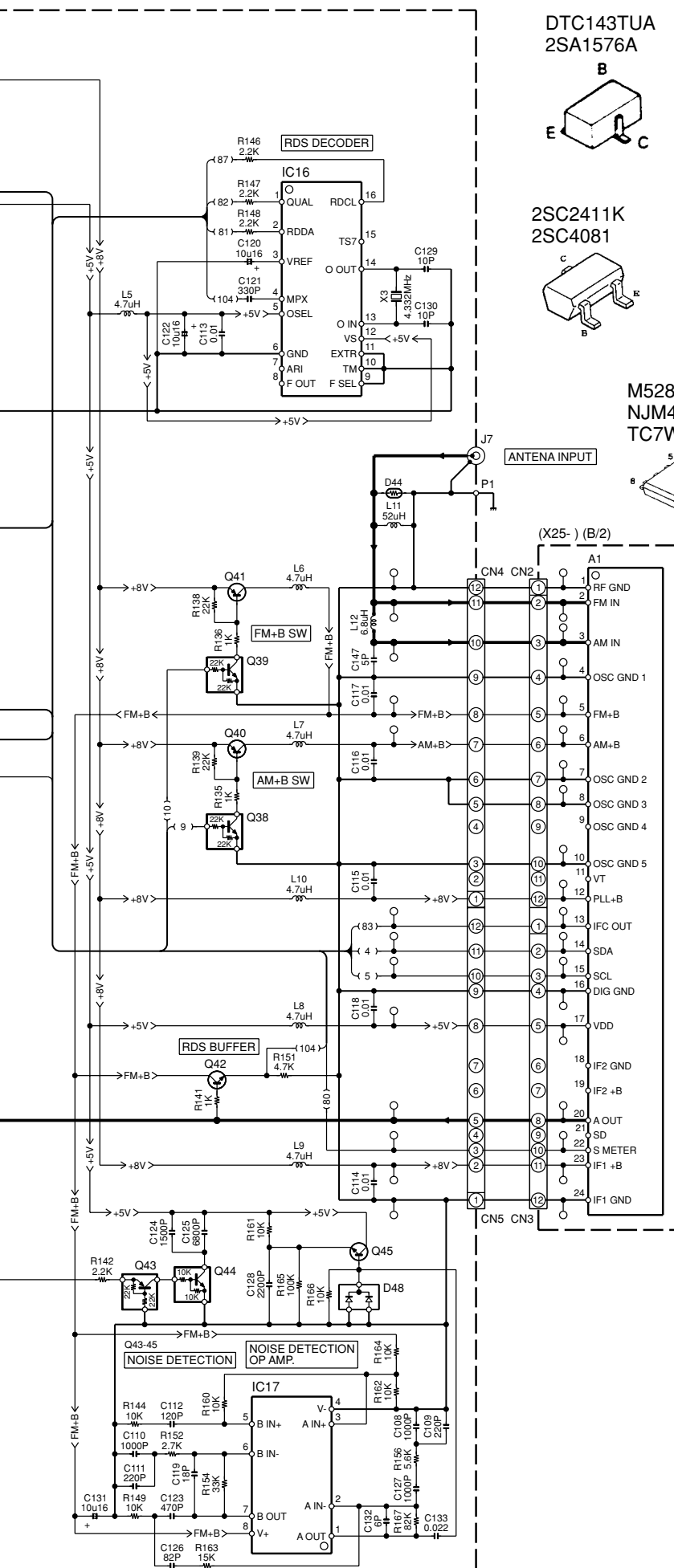
J3

1/3

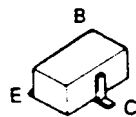
(B)



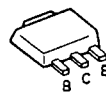




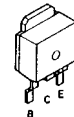
KVT-M700 (E,K,M) (3/3)

DTC143TUA
2SA1576A

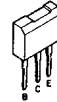
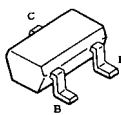
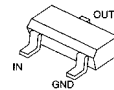
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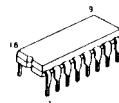
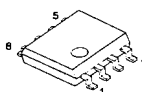
2SB1184



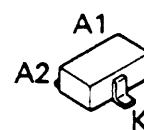
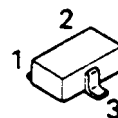
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2SC2411K
2SC4081DTA124EUA DTC144EUA
DTA143EUA DTC114EUA
DTC124EUA

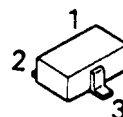
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M5280FP
NJM4565M-TE2
TC7W00FU

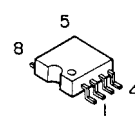
DAN202U

DAP202U
DA204U
DTA114YUA

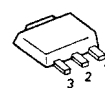
MA716



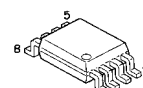
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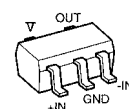
M5237ML



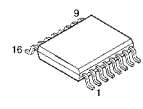
NJM4580V



NJM2107F



TDA7479D



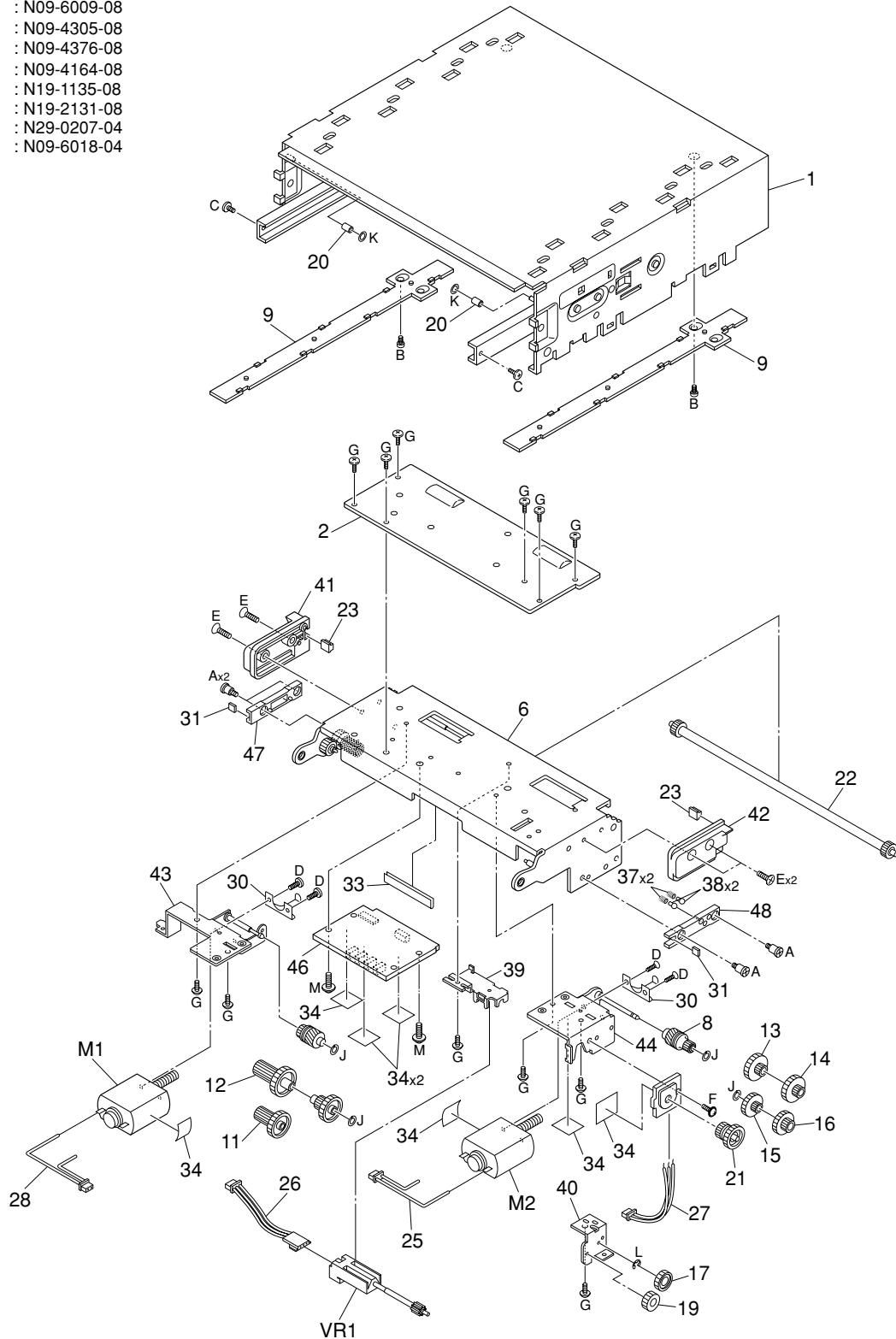
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KVT-M700

KENWOOD

EXPLODED VIEW(MECHANISM)

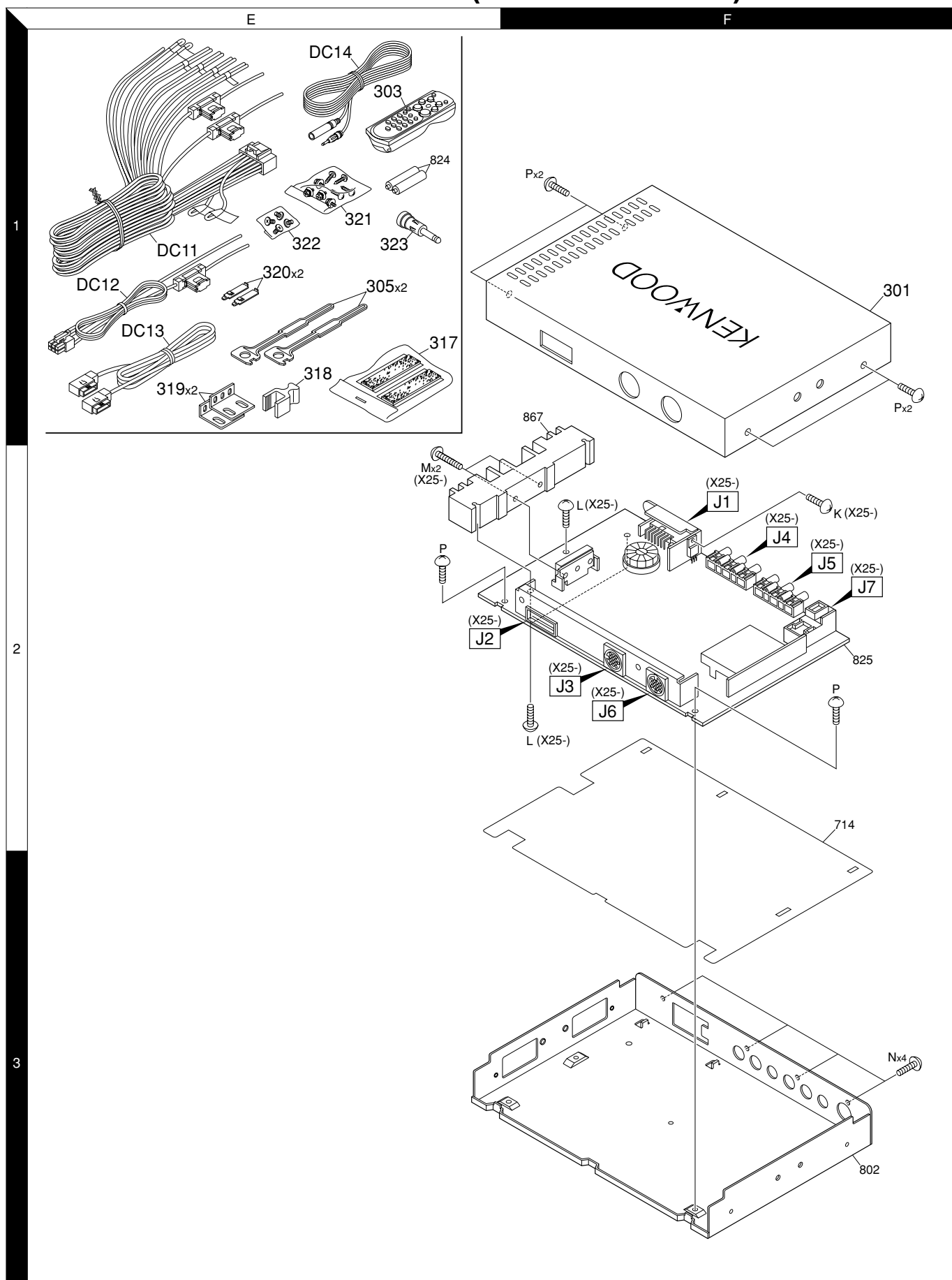
A	: N09-4397-08
B	: N09-4489-08
C M2x4	: N09-6008-08
D M2x2.5	: N09-6009-08
E M2x4	: N09-4305-08
F M2x3	: N09-4376-08
G M2x3	: N09-4164-08
J	: N19-1135-08
K	: N19-2131-08
L	: N29-0207-04
MM2x4	: N09-6018-04



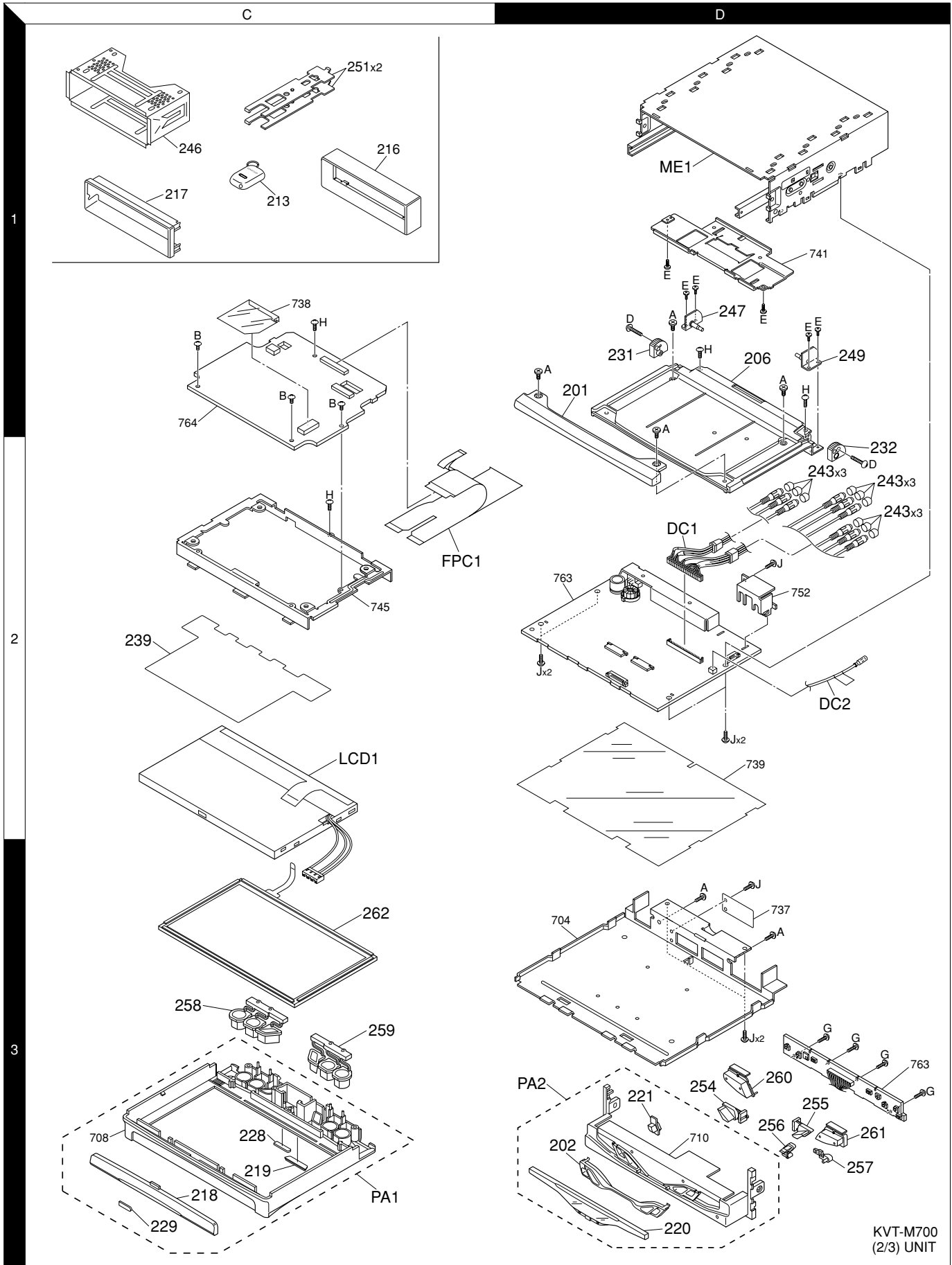
KVT-M700 (1/3)
MECHANISM

KVT-M700

EXPLODED VIEW (HIDEAWAY: X90-)



EXPLODED VIEW(UNIT)



KVT-M700
(2/3) UNIT

PARTS LIST

* New Parts

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Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
KVT-M700					
201	1D	*	A21-4185-02	DRESSING PANEL	KM1
201	1D	*	A21-4186-02	DRESSING PANEL	E1
202	3D	*	A21-4187-03	DRESSING PANEL	
206	1D		A46-1743-01	REAR COVER	
213	1D		A70-0886-15	REMOTE CONTROLLER ASSY	E1
PA1	3C	*	A64-2662-02	PANEL ASSY	K
PA1	3C	*	A64-2663-02	PANEL ASSY	E1
PA1	3C	*	A64-2712-02	PANEL ASSY	M1
PA2	3D	*	A64-2665-03	PANEL ASSY	K
PA2	3D	*	A64-2666-03	PANEL ASSY	E1
PA2	3D	*	A64-2714-03	PANEL ASSY	M1
216	3C		B07-3022-02	ESCUTCHEON	KM1
216	3C	*	B07-3052-02	ESCUTCHEON	E1
217	1C	*	B07-3053-02	ESCUTCHEON	E1
218	3C	*	B10-4225-03	FRONT GLASS	KM1
219	3C	*	B10-4226-04	FRONT GLASS	
220	3D	*	B10-4227-03	FRONT GLASS	K
220	3D	*	B10-4254-03	FRONT GLASS	M1
220	3D	*	B10-4255-03	FRONT GLASS	E1
221	3D	*	B10-4228-03	FRONT GLASS	
228	3C		B43-1270-04	KENWOOD BADGE	
229	3C		B43-1289-04	KENWOOD BADGE	KM1
-			B46-0100-50	WARRANTY CARD	
-			B46-0612-14	ID CARD	E1
-			B46-0631-13	USER CARD (eXcelon)	K
-		*	B46-0645-03	USER CARD (SIRIUS)	K
-		*	B64-2134-00	INST. MANUAL (ENGLISH)	K
-		*	B64-2135-00	INST. MANUAL (FRENCH)	K
-		*	B64-2136-00	INST. MANUAL (SPANISH)	K
-		*	B64-2137-00	INST. MANUAL (ENGLISH)	M1
-		*	B64-2138-00	INST. MANUAL (ENGLISH)	E1
-		*	B64-2139-00	INST. MANUAL (FRENCH)	E1
-		*	B64-2140-00	INST. MANUAL (GERMANY)	E1
-		*	B64-2211-00	INST. MANUAL (DUTCH)	E1
-		*	B64-2212-00	INST. MANUAL (ITALIAN)	E1
-		*	B64-2213-00	INST. MANUAL (SPANISH)	E1
-		*	B64-2214-00	INST. MANUAL (PORTUGUESE)	E1
-		*	B64-2302-00	INST. MANUAL (S-CHINESE)	M1
LCD1	2C		B38-1076-05	LIQUID CRYSTAL	
231	1D		D13-2215-04	GEAR	
232	1D		D13-2216-04	GEAR	
ME1	1D		D40-1164-25	MECHANISM ASSY	KM1
ME1	1D	*	D40-1173-05	MECHANISM ASSY	E1
DC1	2D	*	E30-6072-05	CORD WITH CONNECTOR	
DC2	1D	*	E30-6117-05	CORD WITH CONNECTOR	E1
239	2C		F09-1720-14	SHEET	
243	2D		F29-0049-05	INSULATING COVER	
-		*	H10-4819-02	POLYSTYRENE FOAMED FIXTURE	
-		*	H11-1530-04	POLYSTYRENE FOAMED BOARD	
-			H25-0338-04	PROTECTION BAG (250X350X0.03)	
-			H25-1115-04	PROTECTION BAG	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
-		*	H54-2464-03	ITEM CARTON CASE	K
-		*	H54-2465-03	ITEM CARTON CASE	M1
-		*	H54-2466-03	ITEM CARTON CASE	E1
246	1C		J21-9716-03	MOUNTING HARDWARE ASSY	
247	1D		J21-9780-14	MOUNTING HARDWARE ASSY	
249	1D		J21-9782-14	MOUNTING HARDWARE ASSY	
251	1C	*	J21-9839-04	MOUNTING HARDWARE	E1
FPC1	2C		J84-0134-05	FLEXIBLE PRINTED WIRING BOARD	
254	3D	*	K24-3854-03	KNOB (SRC)	
255	3D	*	K24-3855-03	KNOB (OPEN)	
256	3D	*	K24-3863-03	KNOB (ATT)	
257	3D	*	K24-3864-04	KNOB (RESET)	
258	3C		K25-1354-03	KNOB (L)	
259	3C	*	K25-1430-03	KNOB (R)	
260	3D	*	K25-1431-03	KNOB (VOL)	
261	3D	*	K25-1432-03	KNOB (SEEK)	
A	1D		N09-6011-05	MACHINE SCREW (M2.6X4.0 NI)	
B	2C		N09-6013-05	MACHINE SCREW (M2.6X3)	
D	1D		N35-2010-45	BINDING HEAD MACHINE SCREW	
E	1D		N39-2030-45	PAN HEAD MACHIN SCREW	
G	3D		N82-2008-46	BINDING HEAD TAPTITE SCREW	
H	1D		N82-2606-41	BINDING HEAD TAPTITE SCREW	
J	2J		N89-2606-46	BINDING HEAD TAPTITE SCREW	
262	3C		S79-0818-05	SWITCH ASSY	
VIDEO CONTROL UNIT (X14-692x-xx)					
D501			B30-1523-05	LED	
D502,503			B30-1417-05	LED	
D504,505			B30-1564-05	LED (BLUE)	
D506-511			B30-1442-05	LED	
C1			C90-2843-05	ELECTRO 2200UF 16WV	
C2 -4			CK73GB1H103K	CHIP C 0.010UF K	
C5			CE04DW1C100M	ELECTRO 10UF 16WV	
C7			CK73GB1H103K	CHIP C 0.010UF K	
C8			CE04DW0J331M	ELECTRO 330UF 6.3WV	
C9			C90-2969-05	ELECTRO 150UF 16WV	
C10			CE04NW1C101M	ELECTRO 100UF 16WV	
C11			C90-2980-05	ELECTRO 220UF 16WV	
C12			CK73GB1C104K	CHIP C 0.10UF K	
C13			CK73GB1H472K	CHIP C 4700PF K	
C14			C90-2968-05	ELECTRO 330UF 6.3WV	
C15			CK73GB1H103K	CHIP C 0.010UF K	
C16			CE04NW0J221M	ELECTRO 220UF 6.3WV	
C17			CK73GB1C104K	CHIP C 0.10UF K	
C18			CE04DW1A101M	ELECTRO 100UF 10WV	
C19			CK73GB1H103K	CHIP C 0.010UF K	
C20			CE04DW1A101M	ELECTRO 100UF 10WV	
C22 ,23			C90-2963-05	ELECTRO 100UF 25WV	
C24			C90-2957-05	ELECTRO 470UF 16WV	
C25			CC73GC1H101J	CHIP C 100PF J	
C26 ,27			C90-2957-05	ELECTRO 470UF 16WV	
C28			CK73GB1H682K	CHIP C 6800PF K	
C29			CE04NW1C101M	ELECTRO 100UF 16WV	
C30			CK73GB1E223K	CHIP C 0.022UF K	

E : Europe K : North America M : Other Areas

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(X14-692x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C31 C32 C33 C34 ,35 C36 ,37			CE04NW1C100M CC73GCH1H561J CK73GB1E223K CE04NW1C101M CK73GB1H103K	ELECTRO 10UF 16WV CHIP C 560PF J CHIP C 0.022UF K ELECTRO 100UF 16WV CHIP C 0.010UF K	
C101,102 C103-106 C107,108 C109,110 C111,112			CE04NW0J470M CK73GB1H103K CE04NW1C100M CK73GB1H222K CE04NW1E4R7M	ELECTRO 47UF 6.3WV CHIP C 0.010UF K ELECTRO 10UF 16WV CHIP C 2200PF K ELECTRO 4.7UF 25WV	
C113,114 C115-118 C201-203 C204 C205-207			CE04NW1C100M CE04NW1E4R7M CK73GB1C104K CK73GB1H103K CK73GB1C104K	ELECTRO 10UF 16WV ELECTRO 4.7UF 25WV CHIP C 0.10UF K CHIP C 0.010UF K CHIP C 0.10UF K	E1 E1 E1
C208 C209 C210-213 C214,215 C216,217			CK73GB1A224K CK73GB1H103K CK73GB1A224K CE04NW0J470M CK73GB1C104K	CHIP C 0.22UF K CHIP C 0.010UF K CHIP C 0.22UF K ELECTRO 47UF 6.3WV CHIP C 0.10UF K	
C218 C219 C220 C221 C222			CE04DW0J331M CK73GB1H103K CE04NW0J470M CK73GB1C104K CK73GB1H103K	ELECTRO 330UF 6.3WV CHIP C 0.010UF K ELECTRO 47UF 6.3WV CHIP C 0.10UF K CHIP C 0.010UF K	
C223 C224,225 C226 C227 C228			CK73GB1C104K CK73GB1H103K CC73GCH1H561J CK73GB0J105K CE04NW0J470M	CHIP C 0.10UF K CHIP C 0.010UF K CHIP C 560PF J CHIP C 1.0UF K ELECTRO 47UF 6.3WV	
C231 C301 C302 C303 C304			CK73GB1C104K CK73GB1H103K CE04DW0J470M CK73GB1H103K CK73GB0J105K	CHIP C 0.10UF K CHIP C 0.010UF K ELECTRO 47UF 6.3WV CHIP C 0.010UF K CHIP C 1.0UF K	
C305,306 C307 C308,309 C310 C311			CK73GB1C104K CK73GB0J105K CK73GB1H103K CE04NW0J220M CE04NW1H010M	CHIP C 0.10UF K CHIP C 1.0UF K CHIP C 0.010UF K ELECTRO 22UF 6.3WV ELECTRO 1.0UF 50WV	
C312 C501 C502 C503,504			C90-2945-05 CC73GCH1H221J CK73FB1A225K CK73GB1H103K	ELECTRO 0.047F 5.5WV CHIP C 220PF J CHIP C 2.2UF K CHIP C 0.010UF K	
CN1 CN2 ,3 CN4 CN5 CN6			E40-3751-05 E41-0166-05 E40-9370-05 E40-9409-05 E40-3260-05	PIN ASSY FLAT CABLE CONNECTOR PIN ASSY PIN ASSY PIN ASSY	E1
J1 J2 J3 WH501		*	E08-0610-05 E58-0900-05 E58-0935-05 E39-0450-05	RECTANGULAR RECEPTACLE RECTANGULAR RECEPTACLE RECTANGULAR RECEPTACLE WIRING HARNESS	
F1 ,2			F53-0198-05	FUSE	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
E1 ,2			J19-2826-05	HOLDER	
L1 L2 L3 L4 L5			L33-1102-05 L33-1106-05 L40-1011-18 L33-1099-05 * L19-0715-05	CHOKE COIL CHOKE COIL SMALL FIXED INDUCTOR CHOKE COIL TRANSFORMER FOR CONVERTER	
L6 ,7 L8 L9 L10 L201			L40-1011-18 L33-1106-05 L33-1020-05 L40-1011-18 L40-1005-34	SMALL FIXED INDUCTOR CHOKE COIL CHOKE COIL SMALL FIXED INDUCTOR SMALL FIXED INDUCTOR	
L301 X301			L40-4795-34 L78-0821-05	SMALL FIXED INDUCTOR RESONATOR	
CP301,302 R1 R2 R3 R4		*	R90-0724-05 RK73EB2E123J RK73GB2A183J RK73GB2A393J RK73GB2A223J	MULTI-COMP 1K X4 CHIP R 12K J 1/4W CHIP R 18K J 1/10W CHIP R 39K J 1/10W CHIP R 22K J 1/10W	
R5 R6 R7 R8 R9			RK73GB2A104J RK73GB2A473J RK73GB2A334J RK73GB2A472J RK73GB2A101J	CHIP R 100K J 1/10W CHIP R 47K J 1/10W CHIP R 330K J 1/10W CHIP R 4.7K J 1/10W CHIP R 100 J 1/10W	
R10 R11 R12 R13 R14		*	RK73GB2A223J RK73GB2A104J RK73GB2A681J RK73GB2A102J RN73GH1J112D	CHIP R 22K J 1/10W CHIP R 100K J 1/10W CHIP R 680 J 1/10W CHIP R 1.0K J 1/10W CHIP R 1.1K D 1/16W	
R15 R16 R17 R18 R19			RN73GH1J103D RN73GH1J471D R92-2021-05 RK73GB2A471J R92-2021-05	CHIP R 10K D 1/16W CHIP R 470 D 1/16W CHIP R 2.2 J 1/2W CHIP R 470 J 1/10W CHIP R 2.2 J 1/2W	
R20 ,21 R22 R23 R24 R25		*	RK73GB2A122J RK73GH1J333D RK73GB2A471J RN73GH1J333D RK73GB2A824J	CHIP R 1.2K J 1/10W METAL GLAZE RESISTOR CHIP R 470 J 1/10W CHIP R 33K D 1/16W CHIP R 820K J 1/10W	
R26 R27 ,28 R29 R30 ,31 R32			RK73GB2A562J RK73GB2A334J RN73GH1J222D RK73FB2B102J RK73GB2A104J	CHIP R 5.6K J 1/10W CHIP R 330K J 1/10W CHIP R 2.2K D 1/16W CHIP R 1.0K J 1/8W CHIP R 100K J 1/10W	
R33 R34 R35 R36 R37			RK73GB2A562J RN73GH1J512D RK73GB2A153J RK73GB2A183J RK73EB2E331J	CHIP R 5.6K J 1/10W CHIP R 5.1K D 1/16W CHIP R 15K J 1/10W CHIP R 18K J 1/10W CHIP R 330 J 1/4W	KM1
R38 R39 R101,102 R103,104 R105,106			RK73GB2A223J RK73GB2A101J RK73GB2A101J RK73GB2A223J RK73GB2A471J	CHIP R 22K J 1/10W CHIP R 100 J 1/10W CHIP R 100 J 1/10W CHIP R 22K J 1/10W CHIP R 470 J 1/10W	

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(X14-692x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R107,108			RK73EB2E100J	CHIP R 10 J 1/4W	
R109			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R110			RK73GB2A100J	CHIP R 10 J 1/10W	
R111,112			RK73EB2E101J	CHIP R 100 J 1/4W	
R113,114			RK73EB2E100J	CHIP R 10 J 1/4W	
R115,116			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R117,118			RK73EB2E100J	CHIP R 10 J 1/4W	
R119			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R201-210		*	RK73GB2A750J	CHIP R 75 J 1/10W	E1
R202		*	RK73GB2A750J	CHIP R 75 J 1/10W	KM1
R204		*	RK73GB2A750J	CHIP R 75 J 1/10W	KM1
R206-210		*	RK73GB2A750J	CHIP R 75 J 1/10W	KM1
R211			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R212		*	RK73GB2A681J	CHIP R 680 J 1/10W	
R213		*	RK73GB2A331J	CHIP R 330 J 1/10W	
R214			RK73GB2A103J	CHIP R 10K J 1/10W	
R215			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R216		*	RK73GB2A750J	CHIP R 75 J 1/10W	
R217		*	RK73GB2A561J	CHIP R 560 J 1/10W	
R218			RK73GB2A334J	CHIP R 330K J 1/10W	
R222			RK73GB2A103J	CHIP R 10K J 1/10W	
R223			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R301,302			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R303-305			RK73EB2E101J	CHIP R 100 J 1/4W	
R306,307			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R308			RK73GB2A104J	CHIP R 100K J 1/10W	
R309			RK73EB2E101J	CHIP R 100 J 1/4W	
R310			RK73EB2E470J	CHIP R 47 J 1/4W	
R311			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R312			RK73EB2E470J	CHIP R 47 J 1/4W	
R313-319			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R320-329			RK73EB2E101J	CHIP R 100 J 1/4W	
R330,331			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R332			RK73GB2A104J	CHIP R 100K J 1/10W	
R333-338			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R339,340			RK73GB2A101J	CHIP R 100 J 1/10W	
R341			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R342			RK73GB2A103J	CHIP R 10K J 1/10W	
R343			RK73GB2A473J	CHIP R 47K J 1/10W	
R344-346			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R347,348			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R349,350			RK73GB2A104J	CHIP R 100K J 1/10W	
R351			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R352			RK73GB2A225J	CHIP R 2.2M J 1/10W	
R353			RK73GB2A473J	CHIP R 47K J 1/10W	
R354-356			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R357			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R358			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R358,359			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R360-362			RK73GB2A101J	CHIP R 100 J 1/10W	K M1E1
R363,364			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R365,366			RK73GB2A223J	CHIP R 22K J 1/10W	
R367			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R368-370			RK73GB2A104J	CHIP R 100K J 1/10W	KE1
R368-371			RK73GB2A104J	CHIP R 100K J 1/10W	M1
Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R372			RK73GB2A104J	CHIP R 100K J 1/10W	K
R372,373			RK73GB2A104J	CHIP R 100K J 1/10W	E1
R374,375			RK73GB2A104J	CHIP R 100K J 1/10W	KM1
R375			RK73GB2A104J	CHIP R 100K J 1/10W	E1
R376,377			RK73GB2A103J	CHIP R 10K J 1/10W	
R378			RK73GB2A104J	CHIP R 100K J 1/10W	
R379-381			RK73EB2E101J	CHIP R 100 J 1/4W	
R382			RK73GB2A334J	CHIP R 330K J 1/10W	
R383			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R384			RK73EB2E101J	CHIP R 100 J 1/4W	
R385			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R386			RK73GB2A223J	CHIP R 22K J 1/10W	
R387,388			RK73GB2A334J	CHIP R 330K J 1/10W	
R389			RK73GB2A223J	CHIP R 22K J 1/10W	
R390			RK73GB2A103J	CHIP R 10K J 1/10W	
R391			RK73EB2E102J	CHIP R 1.0K J 1/4W	E1
R501			RK73EB2E221J	CHIP R 220 J 1/4W	
R502			RK73GB2A103J	CHIP R 10K J 1/10W	
R503			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R504		*	RK73EB2E821J	CHIP R 820 J 1/4W	
R505			RK73EB2E471J	CHIP R 470 J 1/4W	
R506			RK73EB2E221J	CHIP R 220 J 1/4W	
R507			RK73GB2A104J	CHIP R 100K J 1/10W	
R508			RK73FB2B101J	CHIP R 100 J 1/8W	
R509		*	RK73GB2A273J	CHIP R 27K J 1/10W	
R510			RK73EB2E331J	CHIP R 330 J 1/4W	
R511		*	RK73EB2E181J	CHIP R 180 J 1/4W	
R512			RK73EB2E331J	CHIP R 330 J 1/4W	
R513			RK73EB2E221J	CHIP R 220 J 1/4W	
R514			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R515			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R516			RK73EB2E221J	CHIP R 220 J 1/4W	
W1			R92-1252-05	CHIP R 0 OHM J 1/16W	
W201-203			R92-1252-05	CHIP R 0 OHM J 1/16W	KM1
S501			S70-0826-05	TACT SWITCH	
S502-504			S70-0860-05	TACT SWITCH	
S505,506			S70-0826-05	TACT SWITCH	
S507,508			S70-0860-05	TACT SWITCH	
D1			AM01Z	DIODE	
D2			MA8068-M	ZENER DIODE	
D3			DAN202U	DIODE	
D5			1SS184	DIODE	
D6 ,7			SB05-03C	DIODE	
D8			1SS184	DIODE	
D9			MA3220-L	ZENER DIODE	
D10			RB051L-40	DIODE	
D11			DA204U	DIODE	
D12			MA8056-M	ZENER DIODE	
D13			MA8082-M	ZENER DIODE	
D15			MA8056-M	ZENER DIODE	
D101-109			DA204U	DIODE	
D201-210			DA204U	DIODE	E1
D207-210			DA204U	DIODE	KM1
D211			DAP202U	DIODE	

E : Europe K : North America M : Other Areas

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PARTS LIST

* New Parts

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Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
D301			MA3062WA	ZENER DIODE	E1
D302			DAN202U	DIODE	
D303			MA3062-M	ZENER DIODE	
D304-309			MA3062WA	ZENER DIODE	
IC2			FA7611CE	ANALOGUE IC	
IC3 ,4			LB1836M-TE-L	ANALOGUE IC	E1
IC101,102			M5280FP	IC(ISOLATOR AMP)	
IC103,104			TC4052BF(N)	MOS-IC	
IC105			M5280FP	IC(ISOLATOR AMP)	
IC201			MM1234XFBE	ANALOGUE IC	
IC202			BA7649F	ANALOGUE IC	
IC203			MM1228XFBE	ANALOGUE IC	
IC204			BA7652AF	ANALOGUE IC	
IC205			MM1108XFFE	ANALOGUE IC	
IC301		*	UPD70303GC141	MI-COM IC	
IC302			S-80842ANNP	MOS-IC	
IC303			TC7SH08F	MOS-IC	
IC501			RS-171	ANALOGUE IC	
Q1			2SC4081	TRANSISTOR	
Q2			DTA124EUA	DIGITAL TRANSISTOR	
Q3			DTB123YK	DIGITAL TRANSISTOR	
Q4			DTA124EUA	DIGITAL TRANSISTOR	
Q5			2SC4081	TRANSISTOR	
Q6			DTC124EUA	DIGITAL TRANSISTOR	
Q7			2SC4979	TRANSISTOR	
Q8			2SA2013	TRANSISTOR	
Q9			2SC4081	TRANSISTOR	
Q10			2SA1576A	TRANSISTOR	
Q11			DTC124EUA	DIGITAL TRANSISTOR	
Q12			DTA124EUA	DIGITAL TRANSISTOR	
Q13			DTC124EUA	DIGITAL TRANSISTOR	
Q14			2SA1870	TRANSISTOR	
Q15			2SC4081	TRANSISTOR	
Q16			2SB1184	TRANSISTOR	
Q17			2SC4081	TRANSISTOR	
Q101,102			DTC143TUA	DIGITAL TRANSISTOR	
Q103			DTC144EUA	DIGITAL TRANSISTOR	
Q104			DTA124EUA	DIGITAL TRANSISTOR	
Q201			2SC4081	TRANSISTOR	
Q202			2SA1576A	TRANSISTOR	
Q203			2SC4081	TRANSISTOR	
Q204			DTA114YUA	DIGITAL TRANSISTOR	
Q301			DTC144EUA	DIGITAL TRANSISTOR	
Q302,303			DTA124EUA	DIGITAL TRANSISTOR	
Q304			DTA144EUA	DIGITAL TRANSISTOR	
Q305			DTC144EUA	DIGITAL TRANSISTOR	
Q306,307			2SC4081	TRANSISTOR	
Q308			2SA1576A	TRANSISTOR	
Q309			2SC4081	TRANSISTOR	
Q501,502			DTC124EUA	DIGITAL TRANSISTOR	
Q503			DTC114YUA	DIGITAL TRANSISTOR	
Q504			DTA124EUA	DIGITAL TRANSISTOR	
Q505-507			DTC114YUA	DIGITAL TRANSISTOR	

(X25-926x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
ELECTRIC UNIT (X25-926x-xx)					
C1 -4			C90-5296-05	NP-ELECT	0.22UF 50WV
C5			C90-2682-05	ELECTRO	47UF 16WV
C6			CK73GB1C104K	CHIP C	0.10UF K
C7			CK73GB1H103K	CHIP C	0.010UF K
C8			CE04DW1C100M	ELECTRO	10UF 16WV
C9 ,10			CE04NW1H010M	ELECTRO	1.0UF 50WV
C11			CK73GB1H103K	CHIP C	0.010UF K
C12			C90-2866-05	ELECTRO	220UF 16WV
C13			CE04NW1HR47M	ELECTRO	0.47UF 50WV
C14			CE04NW1C220M	ELECTRO	22UF 16WV
C15			C90-2935-05	ELECTRO	1.0UF 50WV
C16			CE04DW1A101M	ELECTRO	100UF 10WV
C17		*	C90-5428-05	ALUMINIUM ELECTROLYTIC C.	
C18			C90-2595-05	ELECTRO	4.7UF 16WV
C19			C90-2962-05	ELECTRO	100UF 16WV
C20			C90-2943-05	ELECTRO	0.1UF 50WV
C21 ,22			CK73EB1C225K	CHIP C	2.2UF K
C23			CK73GB1C683K	CHIP C	0.068UF K
C24			C90-2598-05	ELECTRO	3.3UF 25WV
C25 ,26			CK73EB1C225K	CHIP C	2.2UF K
C27			C90-2680-05	ELECTRO	22UF 16WV
C28			CK73GB1H103K	CHIP C	0.010UF K
C29			CK73FB1C105K	CHIP C	1.0UF K
C30			CK73GB1H103K	CHIP C	0.010UF K
C31			C90-2866-05	ELECTRO	220UF 16WV
C32			CK73FB1C105K	CHIP C	1.0UF K
C33			CK73GB1E473K	CHIP C	0.047UF K
C34			CK73GB1H103K	CHIP C	0.010UF K
C35			CK73GB1E223K	CHIP C	0.022UF K
C36			CK73GB1H103K	CHIP C	0.010UF K
C37			C90-2682-05	ELECTRO	47UF 16WV
C38			CK73GB1H103K	CHIP C	0.010UF K
C39			CK73FB1C105K	CHIP C	1.0UF K
C40			CC73GCH1H220J	CHIP C	22PF J
C41			CC73GCH1H270J	CHIP C	27PF J
C42			CK73FB1C105K	CHIP C	1.0UF K
C43			CK73GB1H103K	CHIP C	0.010UF K
C44 -47			CK73GB1C104K	CHIP C	0.10UF K
C48 ,49			CE04DW1E4R7M	ELECTRO	4.7UF 25WV
C50 ,51			CK73GB1H103K	CHIP C	0.010UF K
C52			CE04DW1H010M	ELECTRO	1.0UF 50WV
C53 -56			CK73FB1C334K	CHIP C	0.33UF K
C57			CE04DW1C100M	ELECTRO	10UF 16WV
C58 -61			CK73FB1C334K	CHIP C	0.33UF K
C62			C90-2682-05	ELECTRO	47UF 16WV
C63			CE04DW1C100M	ELECTRO	10UF 16WV
C64			CK73GB1H103K	CHIP C	0.010UF K
C65 ,66			CE04DW1C100M	ELECTRO	10UF 16WV
C67			CE04DW1A101M	ELECTRO	100UF 10WV
C68			CK73GB1H103K	CHIP C	0.010UF K
C69			CE04DW1C100M	ELECTRO	10UF 16WV
C70			CK73GB1H103K	CHIP C	0.010UF K
C71			CE04DW1C100M	ELECTRO	10UF 16WV

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(X25-926x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C72			CK73GB1H153K	CHIP C 0.015UF K	
C73 ,74			CK73GB1H103K	CHIP C 0.010UF K	
C75 ,76			CE04DW1C100M	ELECTRO 10UF 16WV	
C77 ,78			C90-2850-05	ELECTRO 10UF 10WV	
C79			CK73GB1A474K	CHIP C 0.47UF K	
C80			CC73GCH1E102J	CHIP C 1000PF J	
C81			CE04NW1C100M	ELECTRO 10UF 16WV	
C82 ,83			CK73GB1A474K	CHIP C 0.47UF K	
C84			CE04DW1C100M	ELECTRO 10UF 16WV	
C85			CK73GB1C104K	CHIP C 0.10UF K	
C86			CK73GB1A474K	CHIP C 0.47UF K	
C87			CK73GB1H103K	CHIP C 0.010UF K	
C88			C90-2610-05	ELECTRO 2.2UF 50WV	
C89			CK73GB1C104K	CHIP C 0.10UF K	
C90			CE04DW1C100M	ELECTRO 10UF 16WV	
C91			CK73GB1H103K	CHIP C 0.010UF K	
C92			CE04NW1C100M	ELECTRO 10UF 16WV	
C93			CK73GB1A474K	CHIP C 0.47UF K	
C94			CK73GB1E333K	CHIP C 0.033UF K	
C95			CE04DW1C100M	ELECTRO 10UF 16WV	
C96			CC73GCH1H151J	CHIP C 150PF J	
C97 ,98			CK73GB1H103K	CHIP C 0.010UF K	
C99 ,100			CK73GB1A474K	CHIP C 0.47UF K	
C101			CK73GB1H103K	CHIP C 0.010UF K	
C102			CK73FB1C224K	CHIP C 0.22UF K	
C103			CE04NW1C470M	ELECTRO 47UF 16WV	
C104			CK73FB1C224K	CHIP C 0.22UF K	
C105			CE04NW1H4R7M	ELECTRO 4.7UF 50WV	
C106			CE04DW0J331M	ELECTRO 330UF 6.3WV	
C107			CE04NW1H4R7M	ELECTRO 4.7UF 50WV	
C108			CK73GB1H102K	CHIP C 1000PF K	
C109			CC73GCH1H221J	CHIP C 220PF J	
C110			CK73GB1H102K	CHIP C 1000PF K	
C111			CC73GCH1H221J	CHIP C 220PF J	
C112			CC73GCH1H121J	CHIP C 120PF J	
C113-118			CK73GB1H103K	CHIP C 0.010UF K	
C119			CC73GCH1H180J	CHIP C 18PF J	
C120			CE04DW1C100M	ELECTRO 10UF 16WV	
C121			CC73GCH1H331J	CHIP C 330PF J	
C122			CE04DW1C100M	ELECTRO 10UF 16WV	
C123			CC73GCH1H471J	CHIP C 470PF J	
C124			CK73GB1H152K	CHIP C 1500PF K	
C125			CK73GB1H682K	CHIP C 6800PF K	
C126			CC73GCH1H820J	CHIP C 82PF J	
C127			CK73GB1H102K	CHIP C 1000PF K	
C128			CK73GB1H222K	CHIP C 2200PF K	
C129,130			CC73GCH1H100D	CHIP C 10PF D	
C131			CE04DW1C100M	ELECTRO 10UF 16WV	
C132			CC73GCH1H060D	CHIP C 6.0PF D	
C133			CK73GB1E223K	CHIP C 0.022UF K	
C134			CK73GB1H103K	CHIP C 0.010UF K	
C135-142			CK73GB1E473K	CHIP C 0.047UF K	
C143,144			CE04NW1H010M	ELECTRO 1.0UF 50WV	
C145			CK73GB1H103K	CHIP C 0.010UF K	
C146			C90-2682-05	ELECTRO 47UF 16WV	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C147			CC73GCH1H050C	CHIP C 5.0PF C	
C148-153			CK73GB1H222K	CHIP C 2200PF K	
C154			CE04DW1C100M	ELECTRO 10UF 16WV	
C155			C90-2945-05	ELECTRO 0.047F 5.5WV	
CN1			E40-9706-05	PIN ASSY	
CN2 ,3			E40-9423-05	SOCKET FOR PIN ASSY	
CN4 ,5			E40-9421-05	PIN ASSY	
△ J1			E58-0863-15	RECTANGULAR RECEPTACLE	
J2		*	E58-0935-05	RECTANGULAR RECEPTACLE	
J3		*	E56-0842-05	CYLINDRICAL RECEPTACLE	
J4		*	E63-0881-05	PIN JACK	
J5		*	E63-0882-05	PIN JACK	
J6			E56-0825-05	CYLINDRICAL RECEPTACLE	
J7			E04-0312-05	RF COAXIAL CABLE RECEPTACLE	
P1 ,2			E23-0745-05	TERMINAL	
L1			L33-1102-05	CHOKE COIL	
L2			L40-2205-91	SMALL FIXED INDUCTOR(22UH,J)	
L3 -10			L40-4795-34	SMALL FIXED INDUCTOR	
L11			L33-1123-05	LINE FILTER COIL	
L12			L40-6891-58	SMALL FIXED INDUCTOR	
L13			L92-0075-05	CHIP FERRITE	
X1			L78-0821-05	RESONATOR	
X2			L78-0533-05	RESONATOR (32.768KHZ)	
X3			L77-2002-05	CRYSTAL RESONATOR	
K	2F		N30-3006-46	PAN HEAD MACHINE SCREW	
L	2E		N35-3008-45	BINDING HEAD MACHINE SCREW	
M	1E		N35-3020-46	BINDING HEAD MACHINE SCREW	
CP1			R90-1013-05	MULTI-COMP 2.2K X2	
R1 ,2			RK73GB2A223J	CHIP R 22K J 1/10W	
R3			RK73EB2E103J	CHIP R 10K J 1/4W	
R4			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R5			RK73GB2A223J	CHIP R 22K J 1/10W	
R6			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R7			RK73GB2A223J	CHIP R 22K J 1/10W	
R8			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R9			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R10			RK73GB2A101J	CHIP R 100 J 1/10W	
R11			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R12			RK73GB2A473J	CHIP R 47K J 1/10W	
R13 ,14			RK73GB2A223J	CHIP R 22K J 1/10W	
R15		*	RK73GB2A152J	CHIP R 1.5K J 1/10W	
R16			RK73GB2A103J	CHIP R 10K J 1/10W	
R17			RK73GB2A101J	CHIP R 100 J 1/10W	
R18			RK73GB2A103J	CHIP R 10K J 1/10W	
R20			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R21			RK73EB2E470J	CHIP R 47 J 1/4W	
R22			RK73EB2E101J	CHIP R 100 J 1/4W	
R23			RK73EB2E470J	CHIP R 47 J 1/4W	
R24			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R25			RK73GB2A223J	CHIP R 22K J 1/10W	
R26			R92-2063-05	CHIP R 680 J 1/2W	
R27			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R28			RK73GB2A104J	CHIP R 100K J 1/10W	

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(X25-926x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R30			RK73EB2E221J	CHIP R 220 J 1/4W	
R31 ,32			R92-0365-05	CHIP R 1.0K J 1/2W	
R33			RK73GB2A223J	CHIP R 22K J 1/10W	
R34 ,35		*	RK73FB2B472J	CHIP R 4.7K J 1/8W	K
R35		*	RK73FB2B472J	CHIP R 4.7K J 1/8W	M1E1
R36			R92-0366-05	CHIP R 560 J 1W	K
R37			RK73GB2A223J	CHIP R 22K J 1/10W	K
R38			RK73GB2A153J	CHIP R 15K J 1/10W	
R39			RK73GH1J243D	CHIP R 24K D 1/16W	
R40			RK73GH1J432D	CHIP R 4.3K D 1/16W	
R42		*	RK73FB2B561J	CHIP R 560 J 1/8W	
R43			RK73GB2A223J	CHIP R 22K J 1/10W	
R44			RK73GB2A183J	CHIP R 18K J 1/10W	
R45			RK73GB2A473J	CHIP R 47K J 1/10W	
R46			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R47			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R48			RK73GB2A183J	CHIP R 18K J 1/10W	
R49			RK73GB2A470J	CHIP R 47 J 1/10W	
R50			RK73GB2A473J	CHIP R 47K J 1/10W	
R51		*	RK73GB2A752J	CHIP R 7.5K J 1/10W	
R52			R92-3243-05	CARBON FILM RESISTOR	
R53			RK73GB2A912J	CHIP R 9.1K J 1/10W	
R54		*	RK73EB2E153J	CHIP R 15K J 1/4W	
R55			RK73GB2A913J	CHIP R 91K J 1/10W	
R56			RK73GB2A563J	CHIP R 56K J 1/10W	
R57			RK73GB2A470J	CHIP R 47 J 1/10W	
R58			RK73GB2A103J	CHIP R 10K J 1/10W	KE1
R59			RK73GB2A104J	CHIP R 100K J 1/10W	M1
R60 -64			RK73GB2A104J	CHIP R 100K J 1/10W	KE1
R61 -64			RK73GB2A104J	CHIP R 100K J 1/10W	
R65			RK73GB2A103J	CHIP R 10K J 1/10W	KM1
R66			RK73GB2A104J	CHIP R 100K J 1/10W	E1
R67 -69			RK73GB2A104J	CHIP R 100K J 1/10W	KM1
R68 ,69			RK73GB2A104J	CHIP R 100K J 1/10W	
R70 ,71			RK73GB2A913J	CHIP R 91K J 1/10W	
R72 ,73			RK73GB2A104J	CHIP R 100K J 1/10W	
R74 ,75			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R76			RK73GB2A104J	CHIP R 100K J 1/10W	
R77			RK73GB2A103J	CHIP R 10K J 1/10W	
R78			RK73FB2B223J	CHIP R 22K J 1/8W	
R79			RK73FB2B361J	CHIP R 360 J 1/8W	
R80			RK73GB2A473J	CHIP R 47K J 1/10W	
R81			RK73GB2A103J	CHIP R 10K J 1/10W	
R82			RK73FB2B473J	CHIP R 47K J 1/8W	
R83			RK73FB2B820J	CHIP R 82 J 1/8W	
R84			RK73FB2B103J	CHIP R 10K J 1/8W	
R85			RK73GB2A103J	CHIP R 10K J 1/10W	
R86			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R87			RK73GB2A103J	CHIP R 10K J 1/10W	
R88			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R89			RK73GB2A104J	CHIP R 100K J 1/10W	
R90			RK73FB2B103J	CHIP R 10K J 1/8W	
R91		*	RK73FB2B820J	CHIP R 82 J 1/8W	
R92			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R93		*	RK73FB2B473J	CHIP R 47K J 1/8W	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R94			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R95			RK73FB2B223J	CHIP R 22K J 1/8W	
R96			RK73FB2B361J	CHIP R 360 J 1/8W	
R97			RK73FB2B223J	CHIP R 22K J 1/8W	
R98			RK73FB2B361J	CHIP R 360 J 1/8W	
R99			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R100			RK73GB2A471J	CHIP R 470 J 1/10W	
R101		*	RK73FB2B473J	CHIP R 47K J 1/8W	
R102			RK73GB2A471J	CHIP R 470 J 1/10W	
R103		*	RK73FB2B820J	CHIP R 82 J 1/8W	
R104			RK73FB2B103J	CHIP R 10K J 1/8W	
R105			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R106			RK73FB2B103J	CHIP R 10K J 1/8W	
R107		*	RK73FB2B820J	CHIP R 82 J 1/8W	
R108			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R109		*	RK73FB2B473J	CHIP R 47K J 1/8W	
R110			RK73FB2B223J	CHIP R 22K J 1/8W	
R111			RK73FB2B361J	CHIP R 360 J 1/8W	
R112-115			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R116			RK73FB2B223J	CHIP R 22K J 1/8W	
R117			RK73FB2B361J	CHIP R 360 J 1/8W	
R118			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R119		*	RK73FB2B473J	CHIP R 47K J 1/8W	
R120		*	RK73FB2B820J	CHIP R 82 J 1/8W	
R121			RK73FB2B103J	CHIP R 10K J 1/8W	
R122			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R123			RK73FB2B103J	CHIP R 10K J 1/8W	
R124		*	RK73FB2B820J	CHIP R 82 J 1/8W	
R125		*	RK73FB2B473J	CHIP R 47K J 1/8W	
R126,127			RK73GB2A103J	CHIP R 10K J 1/10W	
R128			RK73FB2B223J	CHIP R 22K J 1/8W	
R129			RK73FB2B361J	CHIP R 360 J 1/8W	
R130			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R131			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R132			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R133			RK73GB2A103J	CHIP R 10K J 1/10W	
R134			RK73EB2E100J	CHIP R 10 J 1/4W	
R135,136			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R137			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R138,139			RK73GB2A223J	CHIP R 22K J 1/10W	
R140			RK73EB2E100J	CHIP R 10 J 1/4W	
R141			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R142			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R143			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R144			RK73GB2A103J	CHIP R 10K J 1/10W	
R145			RK73EB2E101J	CHIP R 100 J 1/4W	
R146-148			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R149			RK73GB2A103J	CHIP R 10K J 1/10W	
R150			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R151			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R152			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R153			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R154			RK73GB2A333J	CHIP R 33K J 1/10W	
R155			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R156			RK73GB2A562J	CHIP R 5.6K J 1/10W	

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PARTS LIST

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(X25-926x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R157			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R158,159			RK73EB2E101J	CHIP R 100 J 1/4W	
R160-162			RK73GB2A103J	CHIP R 10K J 1/10W	
R163			RK73GB2A153J	CHIP R 15K J 1/10W	
R164			RK73GB2A103J	CHIP R 10K J 1/10W	
R165			RK73GB2A104J	CHIP R 100K J 1/10W	
R166			RK73GB2A103J	CHIP R 10K J 1/10W	
R167			RK73GB2A823J	CHIP R 82K J 1/10W	
R168,169			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R170,171			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R172,173			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R174			RK73GB2A471J	CHIP R 470 J 1/10W	
R175			RK73GB2A104J	CHIP R 100K J 1/10W	
R176			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R177			RK73GB2A104J	CHIP R 100K J 1/10W	
R178			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R179			RK73GB2A103J	CHIP R 10K J 1/10W	
R180,181			RK73GB2A104J	CHIP R 100K J 1/10W	
W1			R92-1252-05	CHIP R 0 OHM J 1/16W	E1
W1 -3			R92-1252-05	CHIP R 0 OHM J 1/16W	M1
W4 -11			R92-1252-05	CHIP R 0 OHM J 1/16W	KE1
W6 -11			R92-1252-05	CHIP R 0 OHM J 1/16W	M1
W12			R92-2053-05	CHIP R 0 J 1/8W	
D1 -8			1SR154-400	DIODE	
D9			MA8056-M	ZENER DIODE	
D10			RM10ZLF	DIODE	
D11 ,12			DAP202U	DIODE	
D14			MA3110-M	ZENER DIODE	
D15			MA8062-M	ZENER DIODE	
D16			MA3062WA	ZENER DIODE	
D17 ,18			1SR154-400	DIODE	K
D18			1SR154-400	DIODE	M1E1
D19			MA3062WA	ZENER DIODE	
D20			DAP202U	DIODE	
D21			MA3062WA	ZENER DIODE	
D22 ,23			1SR154-400	DIODE	K
D23			1SR154-400	DIODE	M1E1
D24 ,25			DA204U	DIODE	
D26			MA8056-M	ZENER DIODE	
D27			MA8047-M	ZENER DIODE	
D28			HZS7A3L	ZENER DIODE	
D29			MA8056-M	ZENER DIODE	
D30			DA204U	DIODE	
D31			DAN202U	DIODE	
D32			HZS7A3L	ZENER DIODE	
D33			DAN202U	DIODE	
D34 ,35			DAP202U	DIODE	
D38 -43			DA204U	DIODE	
D44			IMSA-6801	SURGE ABSORBER	
D45 -47			MA3062WA	ZENER DIODE	
D48			DAN202U	DIODE	
D49			MA3062WA	ZENER DIODE	
D50 -52			DA204U	DIODE	
D53			DAP202U	DIODE	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
D54			MA8068-M	ZENER DIODE	
IC1			TA8263BH	ANALOGUE IC	
IC2			M5237ML	IC(VOLTAGE REGULATOR)	
IC3			ICL7660SIBA	ANALOGUE IC	
IC4			HD74HC02FP	MOS-IC	
IC5			M5280FP	IC(ISOLATOR AMP)	
IC6			S-80842ANNP	MOS-IC	
IC7			TDA7401	ANALOGUE IC	
IC8			NJM4565M-TE2	ANALOGUE IC	
IC9		*	UPD703033GC140	MI-COM IC	
IC10			NJM4565M-TE2	ANALOGUE IC	
IC11			TDA7407	ANALOGUE IC	
IC12			NJM4565M-TE2	ANALOGUE IC	
IC13			TC4052BF(N)	MOS-IC	
IC14			NJM4565M-TE2	ANALOGUE IC	
IC15			M5280FP	IC(ISOLATOR AMP)	
IC16			TDA7479D	ANALOGUE IC	
IC17			NJM4565M-TE2	ANALOGUE IC	
IC18			M5280FP	IC(ISOLATOR AMP)	
Q1			2SC4081	TRANSISTOR	
Q2			DTC114YUA	DIGITAL TRANSISTOR	
Q3			2SB1443	TRANSISTOR	
Q4			2SA1576A	TRANSISTOR	
Q5			DTC114YUA	DIGITAL TRANSISTOR	
Q6 ,7			2SB1443	TRANSISTOR	
Q8			2SC4081	TRANSISTOR	
Q9 ,10			DTC114YUA	DIGITAL TRANSISTOR	K
Q10			DTC114YUA	DIGITAL TRANSISTOR	M1E1
Q11			2SB1565(E,F)	TRANSISTOR	
Q12			DTA124EUA	DIGITAL TRANSISTOR	
Q13			2SA1576A	TRANSISTOR	
Q14 ,15			2SB1188(Q,R)	TRANSISTOR	K
Q15			2SB1188(Q,R)	TRANSISTOR	M1E1
Q16			2SC4081	TRANSISTOR	
Q17			DTA123JK	DIGITAL TRANSISTOR	
Q18			DTC124EUA	DIGITAL TRANSISTOR	
Q19			2SA1576A	TRANSISTOR	
Q20			2SC4081	TRANSISTOR	
Q21			2SA1576A	TRANSISTOR	
Q22 ,23			2SC4081	TRANSISTOR	
Q24			2SA1576A	TRANSISTOR	
Q25			2SC4081	TRANSISTOR	
Q26			DTA124EUA	DIGITAL TRANSISTOR	
Q27			DTC143TUA	DIGITAL TRANSISTOR	
Q28			DTA124EUA	DIGITAL TRANSISTOR	
Q29			DTC143TUA	DIGITAL TRANSISTOR	
Q30			DTC124EUA	DIGITAL TRANSISTOR	
Q31 ,32			DTC143TUA	DIGITAL TRANSISTOR	
Q33			2SC4081	TRANSISTOR	
Q34			DTC143TUA	DIGITAL TRANSISTOR	
Q35			DTC124EUA	DIGITAL TRANSISTOR	
Q36			DTC143TUA	DIGITAL TRANSISTOR	
Q37 -39			DTC124EUA	DIGITAL TRANSISTOR	
Q40 ,41			2SB1188(Q,R)	TRANSISTOR	
Q42			2SC4081	TRANSISTOR	

E : Europe K : North America M : Other Areas

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(X35-423x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q43			DTA124EUA	DIGITAL TRANSISTOR	
Q44			DTC114EUA	DIGITAL TRANSISTOR	
Q45			2SC4081	TRANSISTOR	
TH1			PT722A100C	POSITIVE RESISTOR	
A1		*	W02-3318-05	FM FRONT-END ASSY	K
A1		*	W02-3319-05	FM FRONT-END ASSY	M1E1
VIDEO UNIT (X35-423x-xx)					
C10 -12			CK73GB1H103K	CHIP C 0.010UF	K
C21			CK73EB1C225K	CHIP C 2.2UF	K
C22			CK73GB1H103K	CHIP C 0.010UF	K
C23			C92-0628-05	CHIP-TAN 10UF	10WV
C201			CK73GB1C104K	CHIP C 0.10UF	K
C202			CC73GCH1H101J	CHIP C 100PF	J
C203,204			CK73GB1C104K	CHIP C 0.10UF	K
C207-209			CK73GB1C104K	CHIP C 0.10UF	K
C210			CC73GCH1H330J	CHIP C 33PF	J
C211			CC73GCH1H101J	CHIP C 100PF	J
C212			CC73GCH1H330J	CHIP C 33PF	J
C213,214			CK73GB1C104K	CHIP C 0.10UF	K
C215			CK73FB1C105K	CHIP C 1.0UF	K
C216,217			CK73GB1C104K	CHIP C 0.10UF	K
C218,219			CC73GCH1H330J	CHIP C 33PF	J
C220			CC73GCH1E102J	CHIP C 1000PF	J
C221,222			CK73GB1C104K	CHIP C 0.10UF	K
C223			CC73GCH1H561J	CHIP C 560PF	J
C224			CK73FB1H104K	CHIP C 0.10UF	K
C225			CK73GB1C104K	CHIP C 0.10UF	K
C226			CC73GCH1H101J	CHIP C 100PF	J
C227			CC73GCH1E102J	CHIP C 1000PF	J
C228			CK73FB1C105K	CHIP C 1.0UF	K
C229			CC73GCH1H331J	CHIP C 330PF	J
C230			CC73GCH1H221J	CHIP C 220PF	J
C231,232			CK73GB1C104K	CHIP C 0.10UF	K
C233			CK73DF1E106Z	CERAMIC 10UF	
C234			CK73EB1C225K	CHIP C 2.2UF	K
C235,236			CK73FB1C105K	CHIP C 1.0UF	K
C237,238			CK73GB1C104K	CHIP C 0.10UF	K
C239			CK73FB1H104K	CHIP C 0.10UF	K
C240			CK73EB1E105K	CHIP C 1.0UF	K
C241			CC73GCH1H120J	CHIP C 12PF	J
C242			CC73GCH1H390J	CHIP C 39PF	J
C243,244			CK73GB1C104K	CHIP C 0.10UF	K
C245			CK73GB1A224K	CHIP C 0.22UF	K
C246-248			CK73GB1C104K	CHIP C 0.10UF	K
C249			CK73DF1E106Z	CERAMIC 10UF	
C250			CK73DF1C106Z	CERAMIC 10UF	
C251,252			CK73GB1C104K	CHIP C 0.10UF	K
C253			CK73DF1C106Z	CERAMIC 10UF	
C254			CK73GB1H103K	CHIP C 0.010UF	K
C255			C92-0628-05	CHIP-TAN 10UF	10WV
C256			CC73GCH1H101J	CHIP C 100PF	J
C300			CK73DF1C106Z	CERAMIC 10UF	
C301			CK73GB1C104K	CHIP C 0.10UF	K
C302			CK73DF1C106Z	CERAMIC 10UF	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C303			CK73DF1E106Z	CERAMIC 10UF	
C304			CK73GB1H103K	CHIP C 0.010UF	K
C305			CK73DF1E106Z	CERAMIC 10UF	
C306			CK73GB1C104K	CHIP C 0.10UF	K
C307			CK73GB1H103K	CHIP C 0.010UF	K
C308,309			CK73DF1E106Z	CERAMIC 10UF	
C310			CK73GB1H103K	CHIP C 0.010UF	K
C326			CK73EB0J106K	CHIP C 10UF	K
C332			CK73GB1H103K	CHIP C 0.010UF	K
C333			CK73DF1E106Z	CERAMIC 10UF	
C400			CC73GCH1H331J	CHIP C 330PF	J
C401			CK73FB1C105K	CHIP C 1.0UF	K
C402			C92-1452-05	ELECTRO 100UF	10WV
C403			CK73GB1H103K	CHIP C 0.010UF	K
C404			CK73GB0J105K	CHIP C 1.0UF	K
C405			CK73GB1H153K	CHIP C 0.015UF	K
C406			CK73EB1A475K	CHIP C 4.7UF	K
C407			CC73GCH1H151J	CHIP C 150PF	J
C408			CC73GCH1E102J	CHIP C 1000PF	J
C409			CK73GB1H103K	CHIP C 0.010UF	K
C410			CK73GB1C104K	CHIP C 0.10UF	K
C411			CK73EB0J106K	CHIP C 10UF	K
C412			CK73GB1C104K	CHIP C 0.10UF	K
C500			CK73FB1C105K	CHIP C 1.0UF	K
C501			CC73GCH1H101J	CHIP C 100PF	J
C502			CK73FB1H104K	CHIP C 0.10UF	K
C503			CC73GCH1H101J	CHIP C 100PF	J
C504			C92-0628-05	CHIP-TAN 10UF	10WV
C505-507			CK73GB1C104K	CHIP C 0.10UF	K
C508			CC73GCH1H471J	CHIP C 470PF	J
C509			CK73GB1H103K	CHIP C 0.010UF	K
C511			CC73GCH1H331J	CHIP C 330PF	J
C512			CK73GB1H103K	CHIP C 0.010UF	K
C600		*	C93-1210-05	CERAMIC CAPACITOR	
C601,602			CK73FB1H104K	CHIP C 0.10UF	K
C603			C93-1106-05	CERAMIC 0.033UF	
C604			C93-1127-05	CERAMIC CAPACITOR	
C700			CK73GB1H103K	CHIP C 0.010UF	K
C701			CC73GCH1H180J	CHIP C 18PF	J
C702			CC73GCH1H220J	CHIP C 22PF	J
C704-716			CK73FB1C105K	CHIP C 1.0UF	K
C708-716			CK73FB1C105K	CHIP C 1.0UF	K
C717			CC73GCH1H270J	CHIP C 27PF	J
C717			CC73GCH1H470J	CHIP C 47PF	J
C718,719			CK73FB1C105K	CHIP C 1.0UF	K
C720			CK73EB1C225K	CHIP C 2.2UF	K
C724,725			CK73EB1C225K	CHIP C 2.2UF	K
C726			CK73GB1H103K	CHIP C 0.010UF	K
C727			C92-0628-05	CHIP-TAN 10UF	10WV
C728			CK73EB1A475K	CHIP C 4.7UF	K
C729			CK73FB1C105K	CHIP C 1.0UF	K
C730			CK73EB1C225K	CHIP C 2.2UF	K
C731-733			CK73GB1H223K	CHIP C 0.022UF	K
C734			CK73GB1C104K	CHIP C 0.10UF	K
C735			C92-0628-05	CHIP-TAN 10UF	10WV

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(X35-423x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C736			CC73GCH1H180J	CHIP C 18PF J	M1E1	R214		*	RK73GB2A683J	CHIP R 68K J 1/10W	
C737			CC73GCH1H270J	CHIP C 27PF J		R215			RK73GB2A243J	CHIP R 24K J 1/10W	
C738			C92-0628-05	CHIP-TAN 10UF 10WV		R216		*	RK73GB2A683J	CHIP R 68K J 1/10W	
C739			CK73FB1H104K	CHIP C 0.10UF K		R217		*	RK73GB2A105J	CHIP R 1.0M J 1/10W	
C740,741			CK73GB1H103K	CHIP C 0.010UF K		R218			RK73GB2A103J	CHIP R 10K J 1/10W	
C742			CK73EB1C225K	CHIP C 2.2UF K		R219			RK73GB2A272J	CHIP R 2.7K J 1/10W	
C744			C92-0628-05	CHIP-TAN 10UF 10WV		R220			RK73GB2A332J	CHIP R 3.3K J 1/10W	
C745			CK73FB1H104K	CHIP C 0.10UF K		R221			RK73GB2A101J	CHIP R 100 J 1/10W	
C747			CK73GB1A474K	CHIP C 0.47UF K		R222		*	RK73GB2A331J	CHIP R 330 J 1/10W	
C748,749			CK73FB1H104K	CHIP C 0.10UF K		R226			RK73GB2A272J	CHIP R 2.7K J 1/10W	
C750			C92-0628-05	CHIP-TAN 10UF 10WV	M1	R227			RK73GB2A822J	CHIP R 8.2K J 1/10W	
C751			CK73GB1H103K	CHIP C 0.010UF K		R228			RK73GB2A103J	CHIP R 10K J 1/10W	
C801			CK73GB1H103K	CHIP C 0.010UF K		R229			RN73GH1J242D	CHIP R 2.4K D 1/16W	
CN10			E40-9786-05	FLAT CABLE CONNECTOR		R230			RN73GH1J332D	CHIP R 3.3K D 1/16W	
CN80			E41-0153-05	FLAT CABLE CONNECTOR		R231			RK73GB2A224J	CHIP R 220K J 1/10W	
CN200			E40-9699-05	FLAT CABLE CONNECTOR		R232			RK73GB2A102J	CHIP R 1.0K J 1/10W	
CN600			E41-0132-05	PIN ASSY		R302			RK73FB2B102J	CHIP R 1.0K J 1/8W	
F600			F53-0198-05	FUSE		R303			RK73FB2B681J	CHIP R 680 J 1/8W	
L10			L40-1001-78	SMALL FIXED INDUCTOR(10UH)		R304			RK73GB2A472J	CHIP R 4.7K J 1/10W	
L32			L40-1001-78	SMALL FIXED INDUCTOR(10UH)		R305			RK73GB2A103J	CHIP R 10K J 1/10W	
L200			L40-1505-34	SMALL FIXED INDUCTOR(15UH)		R321		*	RK73GB2A821J	CHIP R 820 J 1/10W	
L201,202			L40-2795-34	SMALL FIXED INDUCTOR(2.7UH)		R325			RK73GB2A222J	CHIP R 2.2K J 1/10W	
L300			L40-1001-78	SMALL FIXED INDUCTOR(10UH)		R326			RK73GB2A333J	CHIP R 33K J 1/10W	
L302,303			L40-1001-78	SMALL FIXED INDUCTOR(10UH)		R340		*	RK73FB2B220J	CHIP R 22 J 1/8W	
L304			L40-2795-34	SMALL FIXED INDUCTOR(2.7UH)		R341		*	RK73FB2B120J	CHIP R 12 J 1/8W	
L400			L40-1001-78	SMALL FIXED INDUCTOR(10UH)		R400			RK73GB2A361J	CHIP R 360 J 1/10W	
L500			L40-1001-78	SMALL FIXED INDUCTOR(10UH)		R401		*	RK73GB2A914J	CHIP R 910K J 1/10W	
L600			L33-1812-05	CHOKE COIL		R402		*	RK73GB2A102J	CHIP R 1.0K J 1/10W	
L601,602			L19-0703-05	TRANSFORMER FOR CONVERTER		R403		*	RK73GB2A302J	CHIP R 3.0K J 1/10W	
L700		*	L40-4705-79	SMALL FIXED INDUCTOR(47UH)		R404		*	RK73GB2A182J	CHIP R 1.8K J 1/10W	
L701,702			L40-1001-78	SMALL FIXED INDUCTOR(10UH)		R404		*	RK73GB2A202J	CHIP R 2.0K J 1/10W	M1E1
X400			L78-0549-05	RESONATOR (50KHZ)		R406			RK73GB2A361J	CHIP R 360 J 1/10W	
X700		*	L77-2806-05	CRYSTAL RESONATOR(3.579545MHZ)		R406		*	RK73GB2A391J	CHIP R 390 J 1/10W	
X701		*	L77-2807-05	CRYSTAL RESONATOR(4.433619MHZ)	M1E1	R409,410		*	RK73GB2A561J	CHIP R 560 J 1/10W	
CP200			R90-1038-05	MULTI-COMP 560 X4		R412			RK73GB2A101J	CHIP R 100 J 1/10W	
CP201,202			R90-1014-05	MULTI-COMP 100 X4		R413			RK73GB2A471J	CHIP R 470 J 1/10W	
R10, 11			RK73GB2A333J	CHIP R 33K J 1/10W		R414,415			RK73GB2A103J	CHIP R 10K J 1/10W	
R12 -15			RK73GB2A100J	CHIP R 10 J 1/10W		R416			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R20		*	RK73GB2A273J	CHIP R 27K J 1/10W		R420			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R21			R92-1213-05	CHIP R 100 J 1/2W		R430,431			RK73GB2A471J	CHIP R 470 J 1/10W	
R22			RK73GB2A513J	CHIP R 51K J 1/10W		R498			RK73GB2A104J	CHIP R 100K J 1/10W	M1E1
R70 -76			RK73EB2E101J	CHIP R 100 J 1/4W		R499			RK73GB2A473J	CHIP R 47K J 1/10W	
R78 -85			RK73EB2E101J	CHIP R 100 J 1/4W		R502		*	RK73GB2A121J	CHIP R 120 J 1/10W	
R88		*	RK73GB2A750J	CHIP R 75 J 1/10W		R503			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R90 -92			RK73EB2E101J	CHIP R 100 J 1/4W	K	R504		*	RK73GB2A181J	CHIP R 180 J 1/10W	
R90 -97			RK73EB2E101J	CHIP R 100 J 1/4W		R505			RK73GB2A103J	CHIP R 10K J 1/10W	
R94 -97			RK73EB2E101J	CHIP R 100 J 1/4W		R506-509			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R207		*	RK73GB2A105J	CHIP R 1.0M J 1/10W		R510			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R208		*	RK73GB2A391J	CHIP R 390 J 1/10W		R511			RK73GB2A103J	CHIP R 10K J 1/10W	
R209,210		*	RK73GB2A564J	CHIP R 560K J 1/10W	M1E1	R512		*	RK73GB2A821J	CHIP R 820 J 1/10W	
R211			RN73GH1J362D	CHIP R 3.6K D 1/16W		R513			RK73GB2A822J	CHIP R 8.2K J 1/10W	
R212			RN73GH1J562D	CHIP R 5.6K D 1/16W		R514			RK73GB2A471J	CHIP R 470 J 1/10W	
R213			RK73GB2A473J	CHIP R 47K J 1/10W		R515			RK73GB2A392J	CHIP R 3.9K J 1/10W	
						R516			RK73GB2A471J	CHIP R 470 J 1/10W	
						R517			RK73GB2A392J	CHIP R 3.9K J 1/10W	

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(X35-423x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R518			RK73GB2A102J	CHIP R 1.0K J 1/10W	M1E1
R519			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R520			RK73GB2A471J	CHIP R 470 J 1/10W	
R521			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R600			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R601			RK73FB2B103J	CHIP R 10K J 1/8W	
R602			R92-3013-05	METAL R 1K	
R700			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R701			RK73GB2A471J	CHIP R 470 J 1/10W	
R702		*	RK73GB2A152J	CHIP R 1.5K J 1/10W	
R703		*	RK73GB2A242J	CHIP R 2.4K J 1/10W	M1E1
R707		*	RK73GB2A105J	CHIP R 1.0M J 1/10W	
R708			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R709			RK73GB2A103J	CHIP R 10K J 1/10W	
R710		*	RK73GB2A752J	CHIP R 7.5K J 1/10W	
R712-715			RK73GB2A101J	CHIP R 100 J 1/10W	
R716			RK73GB2A473J	CHIP R 47K J 1/10W	
R717,718			RK73GB2A101J	CHIP R 100 J 1/10W	
R719			RK73GB2A103J	CHIP R 10K J 1/10W	
R720		*	RK73GB2A561J	CHIP R 560 J 1/10W	
R721,722			RK73GB2A101J	CHIP R 100 J 1/10W	K
R725,726			RK73GB2A101J	CHIP R 100 J 1/10W	
R801			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R802			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R803			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R804			RK73GB2A103J	CHIP R 10K J 1/10W	
R805		*	RK73GB2A273J	CHIP R 27K J 1/10W	
R806-809		*	RK73EB2E181J	CHIP R 180 J 1/4W	
R810		*	RK73GB2A273J	CHIP R 27K J 1/10W	
VR200			R32-0246-05	SEMI FIXED VARIABLE RESISTOR	
VR201			R32-0244-05	SEMI FIXED VARIABLE RESISTOR	K
VR302			R32-0235-05	SEMI FIXED VARIABLE RESISTOR	
W1 -3			R92-1252-05	CHIP R 0 OHM J 1/16W	
W202,203			R92-1252-05	CHIP R 0 OHM J 1/16W	
W400			R92-1252-05	CHIP R 0 OHM J 1/16W	
W498			R92-1252-05	CHIP R 0 OHM J 1/16W	
W704			R92-1252-05	CHIP R 0 OHM J 1/16W	
S1 -6			S70-0860-05	TACT SWITCH	
D10 ,11			MA3056WA	ZENER DIODE	
D20			MA8056-M	ZENER DIODE	
D200			MA716	DIODE	K
D202			MA152K	DIODE	
D203			MA335	VARIABLE CAPACITANCE DIODE	
D204,205			MA8051-M	ZENER DIODE	
D300			MA8082-M	ZENER DIODE	
D301			DAN202U	DIODE	
D501			MA8056-M	ZENER DIODE	
IC20		*	TPS818	ANALOGUE IC	
IC200			LZ9GJ24	MOS-IC	
IC201			NJM2107F	ANALOGUE IC	
IC202			TC74AC74FT	MOS-IC	K
IC301			NJM4580V	ANALOGUE IC	
IC400			NJW1303V	ANALOGUE IC	

E : Europe K : North America M : Other Areas

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation		
IC401 IC402,403 IC500 IC501 IC700		*	TC7W00FU TC7W34FU MB90096-234 TC74HC07AFE BR24C01AF-W	MOS-IC MOS-IC MOS-IC MOS-IC MEMORY IC	M1E1		
IC701 IC702 IC703		*	AN2546FH-A TDA4665T NJU7200U30	ANALOGUE IC ANALOGUE IC ANALOGUE IC			
Q10 -12 Q13 ,14		*	DTC143ZUA DTA143ZUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR			
Q200 Q201 Q300,301 Q302 Q303			2SC2411K DTC124EUA 2SC4081 2SA1577 2SC4097	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR			
Q401 Q403 Q497 Q498 Q500			2SC4081 2SA1576A DTC144EUA DTA144EUA 2SC4081	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		M1E1 M1E1	
Q600 Q601 Q602-604 Q700 Q701			DTC124EUA DTA143EUA 2SC3303(Y-LB) 2SC4081 2SA1576A	DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		M1E1	
Q801 Q802 Q803 Q804			DTC143ZUA DTA144EUA DTC143ZUA DTC144EUA	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR			
HIDEAWAY UNIT (X90-366x-xx)							
301 303	1F 1E	*	A01-2790-02 A70-2031-05	METALLIC CABINET REMOTE CONTROLLER ASSY			KM1 E1
305 305	1E 1E	*	D10-4589-04 D10-4680-04	LEVER LEVER			
DC11 DC11 DC12 DC13 DC14	1E 1E 1E 1E 1E	*	E30-6043-05 E30-6044-05 E30-6041-05 E30-6045-05 E30-4631-05	DC CORD (with 3A,10A FUSE) DC CORD (with 3A,5A,10A FUSE) DC CORD CORD WITH PLUG CORD WITH PLUG			
- - -			F52-0002-05 F52-0004-05 F52-0006-05	FUSE (3A MINI BLADE in DC11) FUSE (5A MINI BLADE in DC11) FUSE (10A MINI BLADE in DC11)			
317 - - - - -	1E		H30-0051-05 H12-2645-14 H12-2662-03 H25-0336-04 H25-0338-04	MAGIC TAPE PACKING FIXTURE (TOP PLATE) PACKING FIXTURE (PACKING) PROTECTION BAG (170X250X0.03) PROTECTION BAG (250X350X0.03)	KM1		
-			H25-1111-04	PROTECTION BAG (280X450X0.03)	E1		
318 319 320	1E 1E 1E	*	J19-5157-03 J21-3801-04 J21-9784-04	CONECTOR HOLDER MOUNTING HARDWARE MOUNTING HARDWARE	KM1		
321	1F		N99-1558-05	SCREW SET			

⚠ indicates safety critical components.

PARTS LIST

* New Parts

Parts without **Part No.** are not supplied.Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.Teile ohne **Parts No.** werden nicht geliefert.

(D40-xxxx-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
322	1E		N99-1710-05	SCREW SET	KM1
N	3F		N83-3008-46	PAN HEAD TAPTITE SCREW	
P	2E		N89-3006-45	BINDING HEAD TAPTITE SCREW	
323	1E		T90-0512-05	ANTENNA ADAPTOR	E1
MECHANISM ASSY (D40-xxxx-xx)					
1	1B		A10-4926-08	CHASSIS ASSY	KM1
1	1B	*	A10-4957-08	CHASSIS ASSY	E1
2	2B		A11-1614-08	SUB CHASSIS	
6	2B		D10-4679-08	SLIDER ASSY	
7	3A		D09-0641-08	CLUTCH ASSY	
8	3B		D09-0642-08	CLUTCH ASSY	
9	1B		D13-2192-08	RACK (GEAR)	
10	3A		D13-2193-08	GEAR	
11	3A		D13-2194-08	GEAR	
12	3A		D13-2195-08	GEAR	
13	3B		D13-2196-08	GEAR	
14	3B		D13-2197-08	GEAR	
15	3B		D13-2198-08	GEAR	
16	3B		D13-2199-08	GEAR	
17	3B		D13-2200-08	GEAR	
19	3B		D13-2201-08	GEAR	
20	1A		D14-0718-08	ROLER	
21	3B		D13-2231-08	GEAR	
22	2B		D13-2229-08	GEAR	
23	2B		D32-0644-08	STOPPER	
25	3A		E39-0441-08	WIRE HARNESS	
26	3A		E39-0433-08	WIRE HARNESS	
27	3B		E39-0434-08	WIRE HARNESS	
28	3B		E39-0435-08	WIRE HARNESS	
30	2A		G02-1431-08	SPRING	
31	2A		G16-1405-08	SHEET	
33	2A		G16-1414-08	SHEET	
34	3A		G16-1415-08	SHEET	
37	2B		G01-3127-08	SPRING	
38	2B		J12-1186-08	PIN	
39	3B		J19-5104-08	HOLDER	
40	3B		J19-5102-08	HOLDER	
41	2A		J19-5098-08	HOLDER	
42	2B		J19-5099-08	HOLDER	
43	3A		J21-9800-08	MOUNTING HARDWARE	
44	3B		J21-9801-08	MOUNTING HARDWARE	
45	3B		J26-4039-08	SENSOR ASSY	
46	3A		J74-1277-08	RIGID PRINTED WIRING BOARD	
47	2A		J90-1028-08	GUID	
48	2B		J90-1027-08	GUID	
VR1	3A		R31-0233-08	VARIABLE RESISTOR	
M1,2	3A		T42-1062-08	MOTOR ASSY	
A	2A		N09-4397-08	MACHINE SCREW	
B	1A		N09-4489-08	MACHINE SCREW	
C	1A		N09-6008-08	MACHINE SCREW	
D	2A		N09-6009-08	MACHINE SCREW	
E	2B		N09-4305-08	MACHINE SCREW	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
F	3B		N09-4376-08	MACHINE SCREW (2X3)	
G	3B		N09-4164-08	TAPTITE SCREW (2X3)	
J	3A		N19-1135-08	WASHER	
K	1A		N19-2131-08	WASHER	
L	3B		N29-0207-04	E RING	
M	3A		N09-6018-04	SCREW	

E : Europe K : North America M : Other Areas

⚠ indicates safety critical components.

KVT-M700

SPECIFICATIONS

Destination		E : Europe	K : North America	M : Other Markets
MAIN UNIT				
MONITOR	Picture size	7.0 inches wide	7.0 inches wide	7.0 inches wide
SECTION	Width x Height	154.1mm x 87.0mm	154.1mm x 87.0mm	154.1mm x 87.0mm
	Display system	Transparent TN LCD panel	Transparent TN LCD panel	Transparent TN LCD panel
	Drive system	TFT active matrix system	TFT active matrix system	TFT active matrix system
	Number of pixels	336960	336960	336960
		480H x 234V x RGB	480H x 234V x RGB	480H x 234V x RGB
	Effective pixels	0.9999	0.9999	0.9999
	Pixel arrangement	RGB striped arrangement	RGB striped arrangement	RGB striped arrangement
Back lighting		Cold cathode tube	Cold cathode tube	Cold cathode tube
HIDEAWAY UNIT				
FM	Frequency Range (Frequency Step)	87.5MHz - 108.0MHz (50KHz)	87.9MHz - 107.9MHz (200KHz)	87.5MHz - 1 08.0MHz (50KHz)
	Usable Sensitivity S/N : 30dB	9.3dBf (0.7 μV / 75Ω)	9.3dBf (0.8 μV / 75Ω)	9.3dBf (0.7 μV / 75Ω)
	Quieting Sensitivity S/N : 50dB	15.2dBf (1.6 μV / 75Ω)	15.2dBf (1.6 μV / 75Ω)	15.2dBf (1.6 μV / 75Ω)
	Frequency Response (±3.0dB)	30Hz - 15KHz	30Hz - 15KHz	30Hz - 15KHz
	S/N (dB)	70dB (MONO)	75dB (MONO)	70dB (MONO)
	Selectivity	≧ 80dB (±400KHz)	≧ 80dB (±400KHz)	≧ 80dB (±400KHz)
	Stereo Separation	35dB (1KHz)	40dB (1KHz)	35dB (1KHz)
	Frequency Range (Frequency Step)	LW : 153KHz - 281KHz MW : 531KHz - 1611KHz (9KHz)	530KHz - 1700KHz (10KHz)	LW : 153KHz - 281KHz MW : 531KHz - 1611KHz (9KHz)
	Usable Sensitivity	28dBμ	28dBμ	28dBμ
VIDEO	Color system	NTSC / PAL	NTSC	NTSC / PAL
	External video input level	1Vp-p / 75Ω	1Vp-p / 75Ω	1Vp-p / 75Ω
	External audio max input level	1V / 22KΩ	1V / 22KΩ	1V / 22kΩ
	Analogue RGB input	0.7Vp-p / 75Ω	0.7Vp-p / 75Ω	0.7Vp-p / 75Ω
AUDIO	Maximum Power	47W x 4	47W x 4	47W x 4
	Full Bandwidth Power	29W x 4 PWR DIN 45324, +B=14.4v	22W x 4 (at Less than 1% THD)	22W x 4 (at Less than 1% THD)
	Preout Level	4.5V / 10KΩ	4.5V / 10KΩ	4.5V / 10KΩ
	Preout Impedance	≦ 600Ω	≦ 600Ω	≦ 600Ω
	Bass	100Hz ± 10dB	100Hz ± 10dB	100Hz ± 10dB
	Middle	1KHz ± 10dB	1KHz ± 10dB	1KHz ± 10dB
	Treble	10KHz ± 10dB	10KHz ± 10dB	10KHz ± 10dB
GENERAL				
	Operating Voltage	14.4V (11V - 16V)	14.4V (11V - 16V)	14.4V (11V - 16V)
	Current Consumption	10A	10A	10A
	Main unit dimensions (W x H x D)	180mm x 50mm x 195mm	180mm x 50mm x 193mm	180mm x 50mm x 193mm
	Installation size (W x H x D)	178mm x 50mm x 165mm	178mm x 50mm x 165mm	178mm x 50mm x 165mm
	Hideaway unit dimensions (W x H x D)	217mm x 30mm x 155mm	217mm x 30mm x 155mm	217mm x 30mm x 155mm
	Operational temperature range	-10°C ~ +60°C	-10°C ~ +60°C	-10°C ~ +60°C
	Storage temperature range	-20°C ~ +85°C	-20°C ~ +85°C	-20°C ~ +85°C
	Main unit weight	1.9Kg	1.9Kg	1.9Kg
	Hideaway unit weight	860g	860g	860g

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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